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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES	
Son Kinh Hwy. Bridge II		18 11N - 106 10E	
Bridge No. 65 on NE 48-7	North Vietnam	XF 238 117	
		BRIEF NO:	
		PIB 65201	25X1
MAP AMS 1509 NE 48-7		November 1965	

LOCATION: 0.3 nm W. of Son Kinh on unnumbered Route (off 1A near 108)

DESCRIPTION:

LENGTH 100' approx.

MATERIAL Steel, wood

WIDTH

NO. OF SPANS 5

TYPE

Deck

LENGTH OF EACH SPAN 20' approx.

25X1

STATUS:

One span and one abutment damaged. Bridge serviceable to foot traffic.

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Son Kinh Hwy. Bridge I Bridge No. 64 on NE 48-7	North Vietnam	18 11N - 106 11E XF 254 116
25X1		BRIEF NO:
		PIB 65202
MAP AMS 1509 NE 48-7		November 1965

LOCATION: 0.1 nm E. of Son Kinh on Route 1A

DESCRIPTION:

LENGTH 60' approx.

MATERIAL Wood

WIDTH

NO. OF SPANS 3

TYPE

Deck

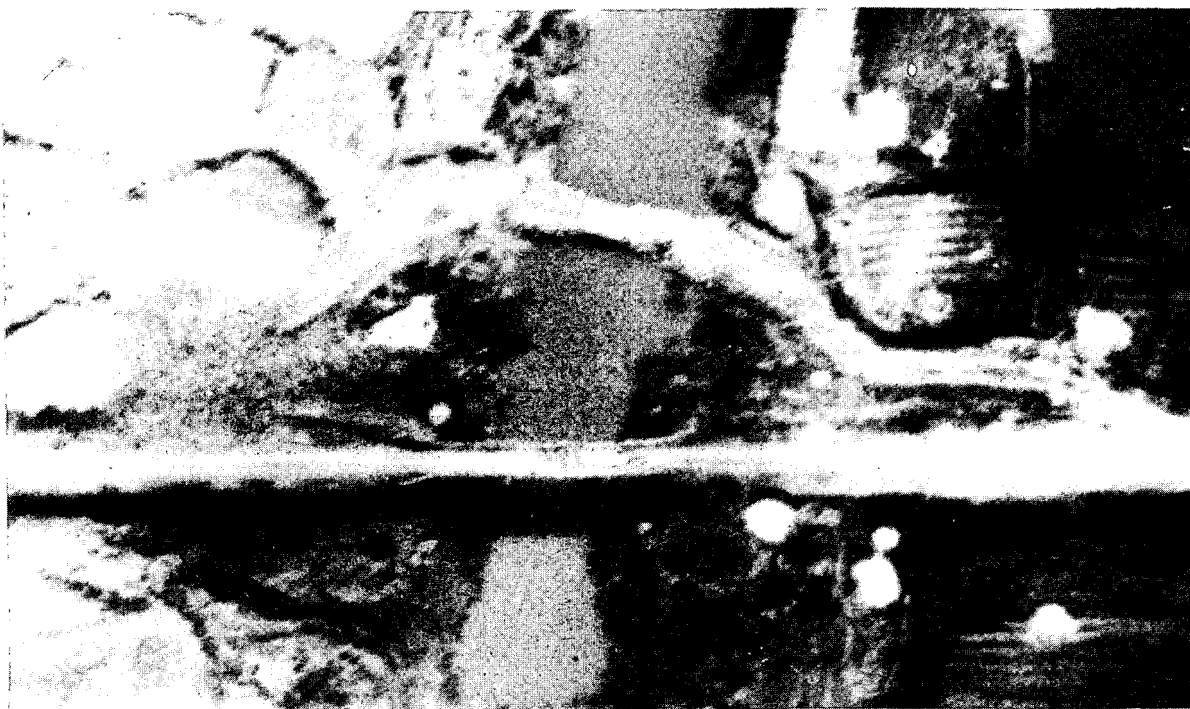
LENGTH OF EACH SPAN 20' approx.

STATUS:

Slight damage to deck; bridge serviceable.

COMPENSATIVE ACTION:

Ford with culvert.

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Pho Vi R.R. Bridge Bridge No. 4 on NF 48-11	North Vietnam	21 26N - 106 21E XJ 405 714
		BRIEF NO:
		PTB 65203
		November 1965
MAP	AMS L509 NF 48-11	

LOCATION: 2.2.nm S.W. of Pho Vi on Hanoi-Dong Dang Rail Line

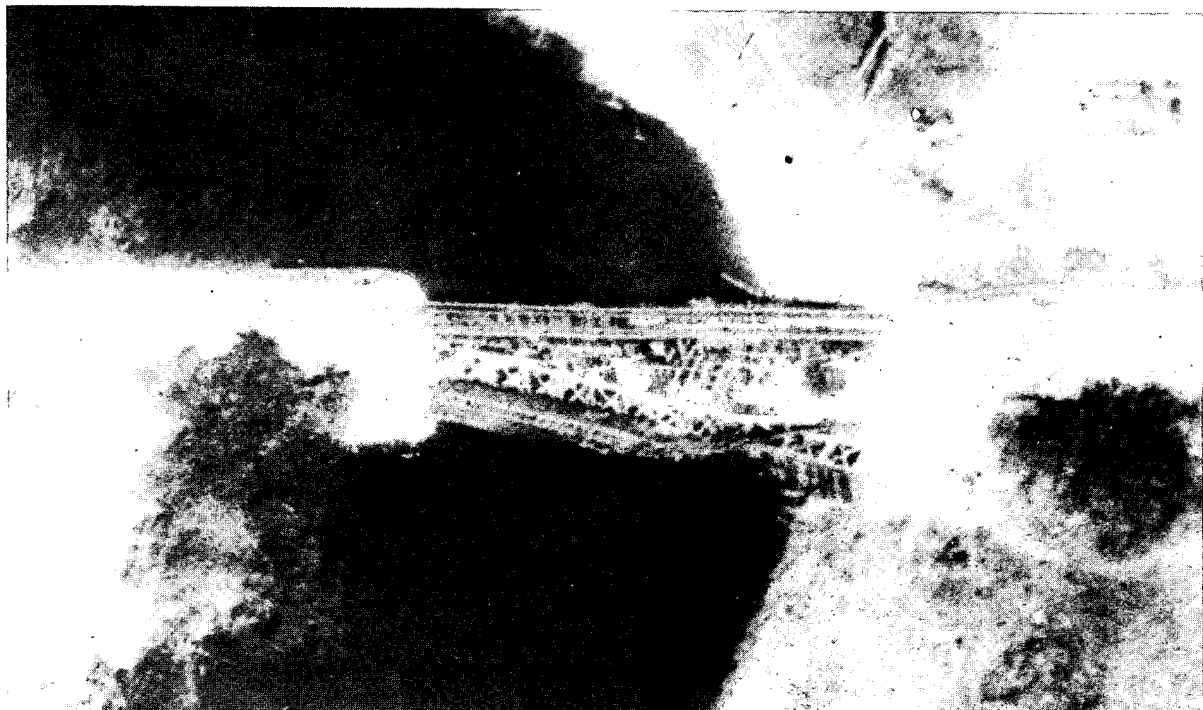
DESCRIPTION:

LENGTH	100' approx.	MATERIAL	Steel and concrete
WIDTH	10' approx.	NO. OF SPANS	1
TYPE	Deck inverted truss	LENGTH OF EACH SPAN	100 approx.

STATUS:

Span destroyed. Abutments intact.

COMPENSATIVE ACTION: A 100 foot trestle bridge of steel and timber has been erected on the old concrete abutments. It has 5 spans (probable) and is 10 feet wide.

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CIA IMAGERY ANALYSIS DIVISION

NAME Kep Hwy. Bridge Bridge No. 5 on NF 48-11	COUNTRY North Vietnam	COORDINATES 21 26N - 106 17E XJ 346 717
25X1 [REDACTED]		BRIEF NO: PIB 65204 November 1965
MAP AMS L509 NF 48-11		

LOCATION: 2.3 nm N. of Kep on Route 1A

DESCRIPTION:

LENGTH 200' approx.

WIDTH [REDACTED]

TYPE

Deck

MATERIAL Concrete

NO. OF SPANS 6

LENGTH OF EACH SPAN

2-20' approx.

4-40' approx.

STATUS:

All spans destroyed. 2 piers destroyed. 3 piers and both abutments intact.

COMPENSATIVE ACTION: A Ford is located 80 feet from the bridge.

A ferry is being built 1500 feet from the bridge.

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Yen Hung Hwy. Bridge Bridge No. 48 on NE 48-7	North Vietnam	18 03N - 106 19E XE 400 959
25X1 [REDACTED]		BRIEF NO:
MAP AMS L509 NE 48-7		PIB 65205
LOCATION: 2.0 nm W.N.W. of Yen Hung on Route 1A.		November 1965

DESCRIPTION:

25X1	LENGTH 50'	MATERIAL Concrete
	WIDTH [REDACTED]	NO. OF SPANS 2
	TYPE Deck	LENGTH OF EACH SPAN 25'

STATUS:

Repaired form previous damage.

COMPENSATIVE ACTION:

25X1

[REDACTED]~~CONFIDENTIAL~~

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Vinh Loc Hwy. Bridge Bridge No. 30 on NE 48-11	North Vietnam	17 43N - 106 23E XE 468 608
25X1 [REDACTED]		BRIEF NO: PIB 65206
MAP AMS L509 NE 48-11		November 1965

LOCATION: At Vinh Loc on an unnumbered Route

DESCRIPTION:

25X1

[REDACTED]

MATERIAL Timber

NO. OF SPANS 12

LENGTH OF EACH SPAN [REDACTED]

TYPE Deck

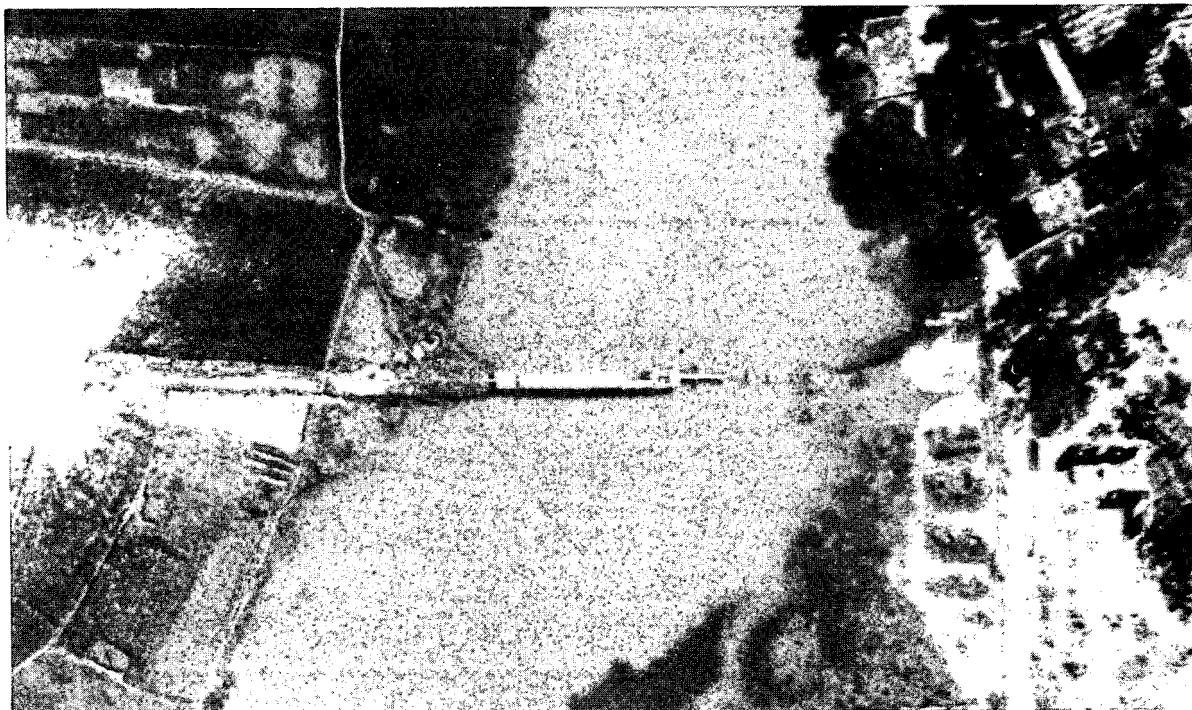
25X1

STATUS:

4 spans destroyed, 4 spans severely damaged.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

NAME Loc Dien Hwy. Bridge Bridge No. 12 on NE 48-11	COUNTRY North Vietnam	COORDINATES 17 45N - 106 23E XE 471 639
[REDACTED]		BRIEF NO: PIB 65207 November 1965
MAP AMS L509 NE 48-11		

LOCATION: At Loc Dien on Route 110

DESCRIPTION:

LENGTH 45'
WIDTH 10'
TYPE DeckMATERIAL Timber
NO. OF SPANS 3
LENGTH OF EACH SPAN 15'

STATUS:

Bridge has been repaired and struck again. Moderate deck damage; approach damaged.

COMPENSATIVE ACTION:

None



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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Trach Hau Hwy. Bridge Bridge No. 45 on NE 48-7	North Vietnam	18 02N - 106 24E XE 482 948
BRIEF NO:		
PIB 65208		
November 1965		

25X1

MAP AMS 1509, NE 48-7

LOCATION: 0.5 nm S. of Trach Hau on Route 1A

DESCRIPTION:

LENGTH 80'

MATERIAL Concrete

WIDTH

NO. OF SPANS 8

TYPE

Deck

LENGTH OF EACH SPAN 10'

25X1

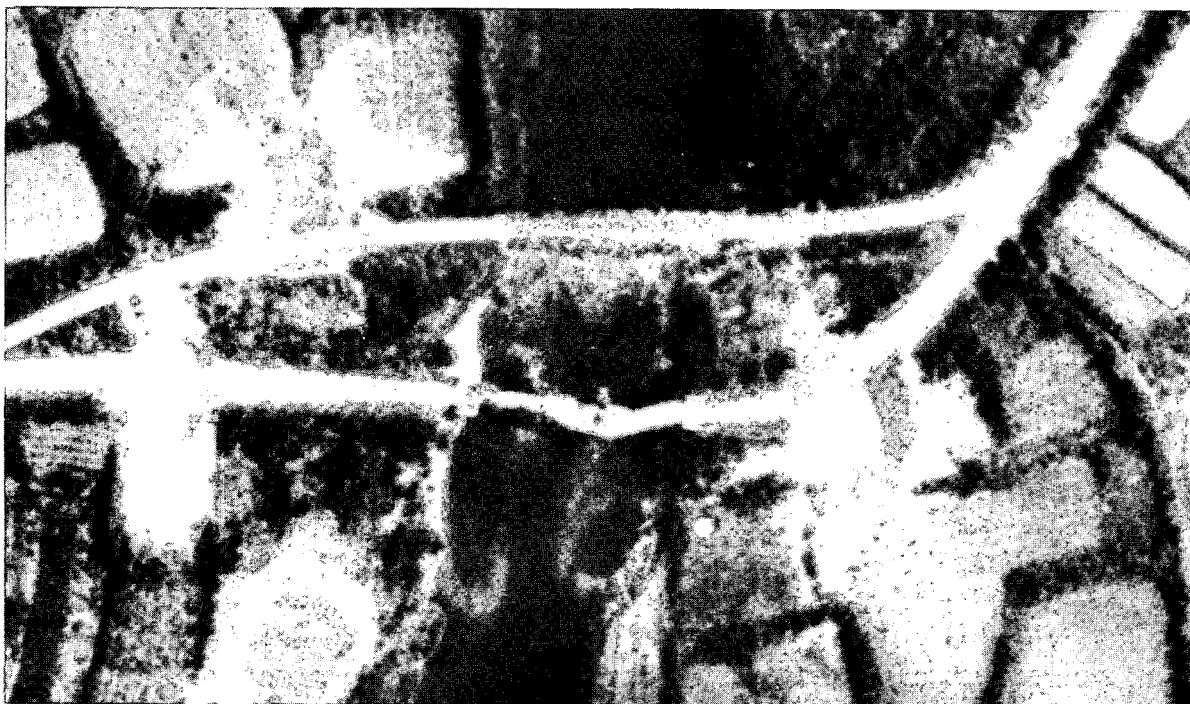
STATUS:

Bridge has been bombed since earlier damage. Center of bridge has been knocked out of alignment. 3 spans severely damaged.

COMPENSATIVE ACTION:

Causeway.

25X1

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Yen Hung Hwy. Bridge #3		18 03N - 106 20E
Bridge No. 36 on NE 48-7	North Vietnam	XE 413 961
		BRIEF NO:
		PIB 65209
MAP		November 1965

25X1

AMS 1509 NE 48-7

LOCATION: 1.1 nm S.W. of Yen Hung on Route 1A

DESCRIPTION:

LENGTH	45'	MATERIAL	Concrete
WIDTH		NO. OF SPANS	3
TYPE	Deck	LENGTH OF EACH SPAN	15'

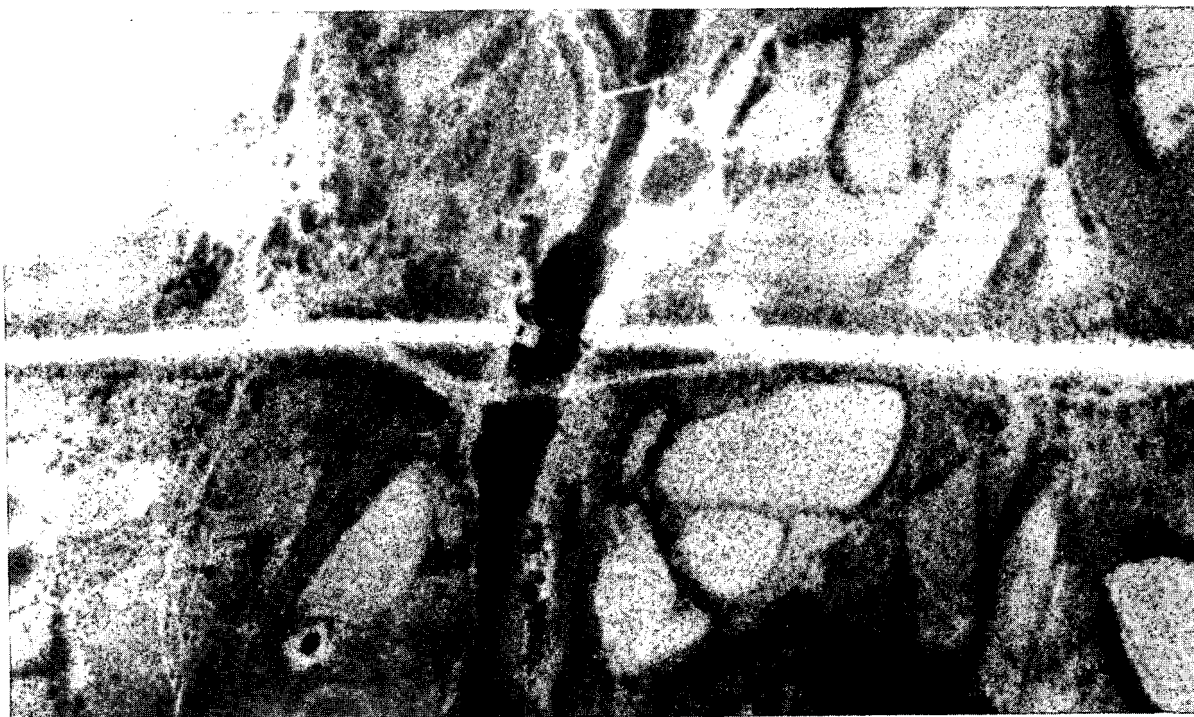
25X1

STATUS:

Destroyed, abutments intact.

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Sa Long Hwy. Bridge No. I Bridge No. 74 on NE 48-7	North Vietnam	18 16N - 105 41E WF 620 200
BRIEF NO:		
PIB - 65210		
November 1965		
MAP	AMS L509	NE 48-7

LOCATION: 0.6 nm S. of Sa Long on a by-pass for Route 12

DESCRIPTION:

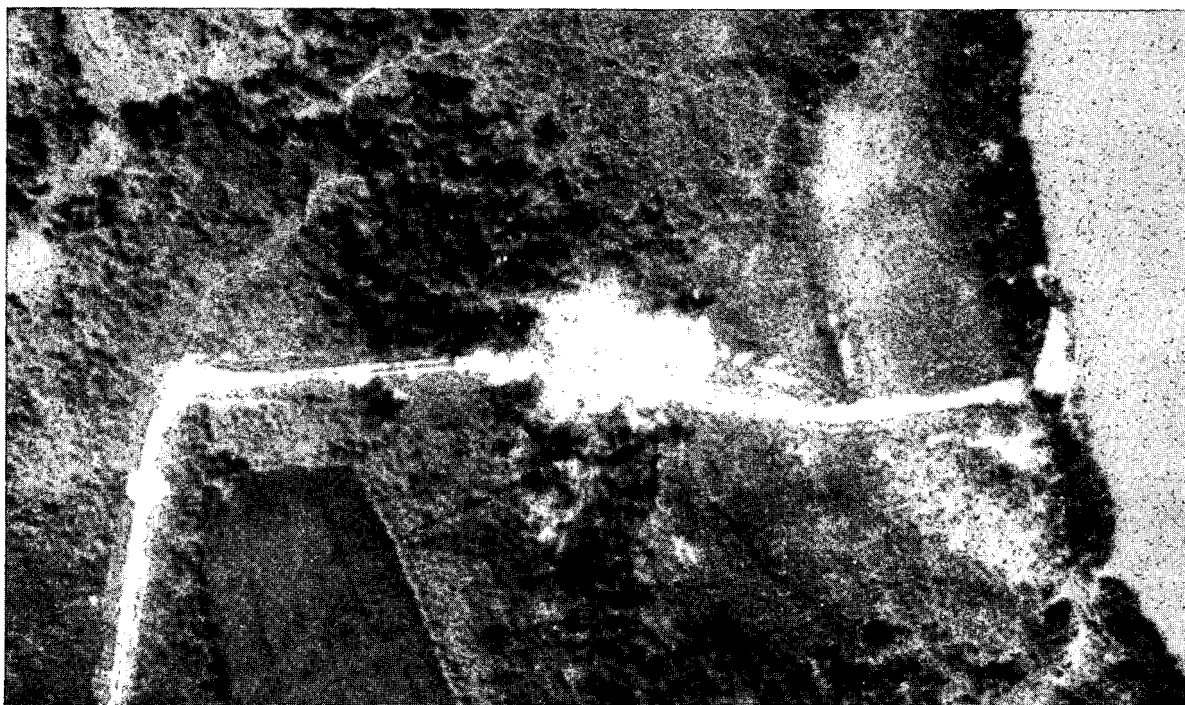
LENGTH 40' approx.
 WIDTH
 TYPE Deck probably

MATERIAL Wood
 NO. OF SPANS 2 probably
 LENGTH OF EACH SPAN 20' approx.

STATUS: Completely destroyed.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Sa Long Hwy. Bridge No. II Bridge No. 75 on NE 48-7	North Vietnam	18 16N - 105 41E WF 628 205
		BRIEF NO:
		PIB 65211
MAP		November 1965
AMS L509	NE 48-7	

25X1

LOCATION: 0.5 nm S.E. of Sa Long on Route 12

DESCRIPTION:

LENGTH 50' approx.
 WIDTH 10' approx.
 TYPE Deck

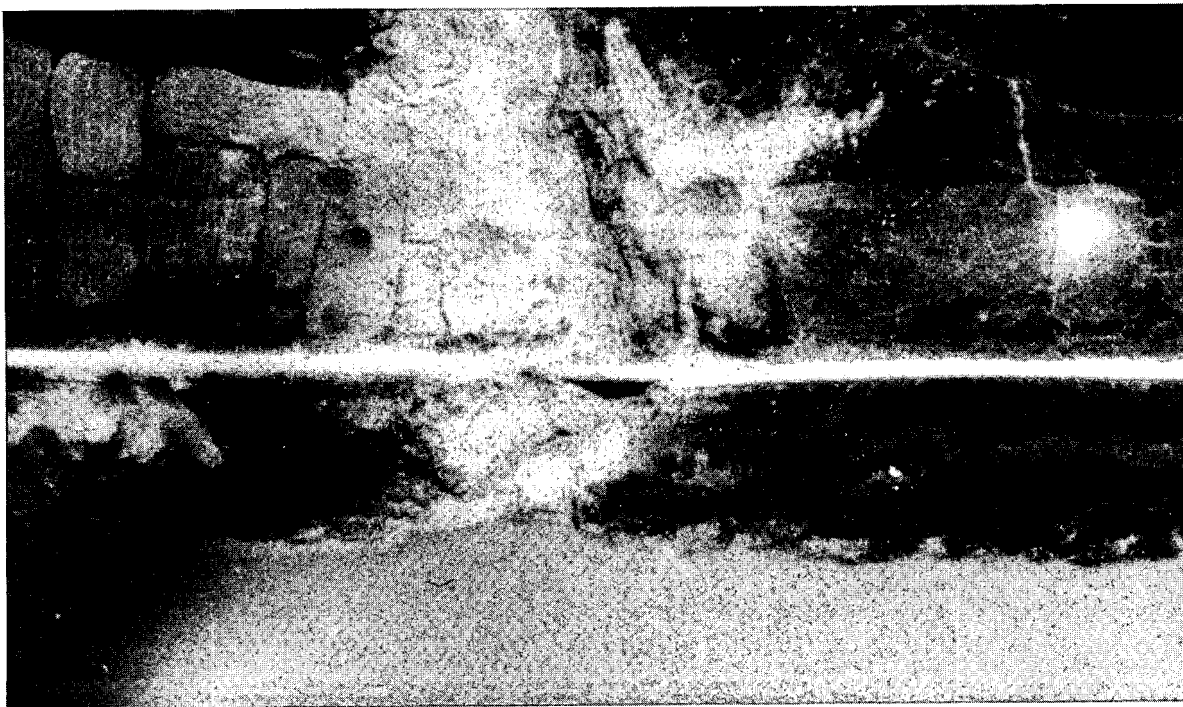
MATERIAL Concrete
 NO. OF SPANS 2
 LENGTH OF EACH SPAN 25' approx.

STATUS:

One abutment slightly damaged. Bridge serviceable.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Song Luong R.R. Bridge Bridge No. 33 on NE 48-3	North Vietnam	19 42N - 105 42E WG 745 817
BRIEF NO:		
PIB 65212		
MAP		November 1965
AMS L509 NE 48-3		

LOCATION: 0.1 nm S.E. of Song Luong on the Hanoi-Vinh Rail Line

DESCRIPTION:

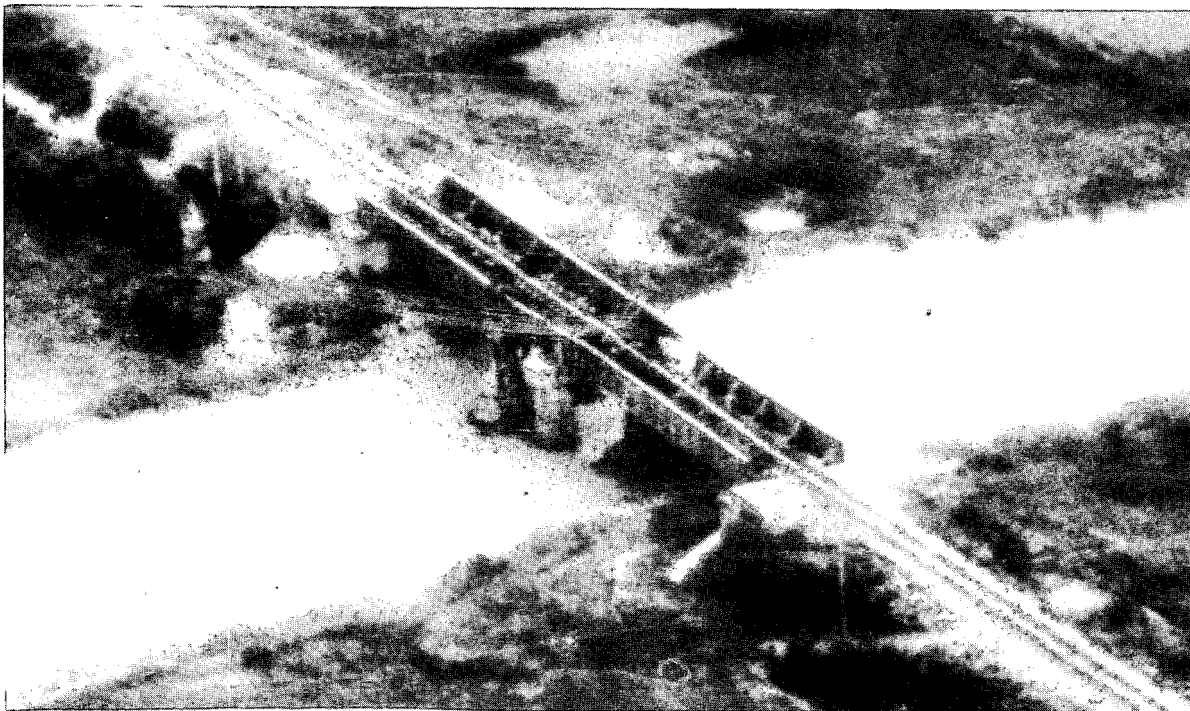
LENGTH	80' (approx.)	MATERIAL	Steel and concrete
WIDTH		NO. OF SPANS	2
TYPE	Deck Girder	LENGTH OF EACH SPAN	40' (approx.)

STATUS:

Structural damage to both side girders and deck damage.

COMPENSATIVE ACTION:

2 temporary support piers.

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CIA IMAGERY ANALYSIS DIVISION

NAME Tho Son Hwy. Bridge Bridge No. 17 on NE 48-7	COUNTRY North Vietnam	COORDINATES 18 27N - 105 46E WF 820 405
25X1		BRIEF NO: PIB 65213 November 1965
MAP AMS L509 NE 48-7		

LOCATION: 0.6 nm E. of Tho Son on Route 1A

DESCRIPTION:

LENGTH 220' approx.

WIDTH

TYPE

Deck

MATERIAL Wood and concrete

NO. OF SPANS 5 and 2 approach spans

LENGTH OF EACH SPAN 5-40' approx.

2-10' approx.

STATUS:

One pier destroyed, two spans dropped.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ban Pu He Hwy. Bridge Bridge No. 8 on NF 48-9	North Vietnam	21 45N - 103 17E UK 231 129
25X1 [REDACTED]		BRIEF NO: PTB 65214 November 1965
MAP	AMS L509 NF 48-9	

LOCATION: 0.4 nm N.W. of Ban Pu He on Route 6

DESCRIPTION:

LENGTH 25'

WIDTH [REDACTED]

TYPE Deck

MATERIAL Wood

NO. OF SPANS 1

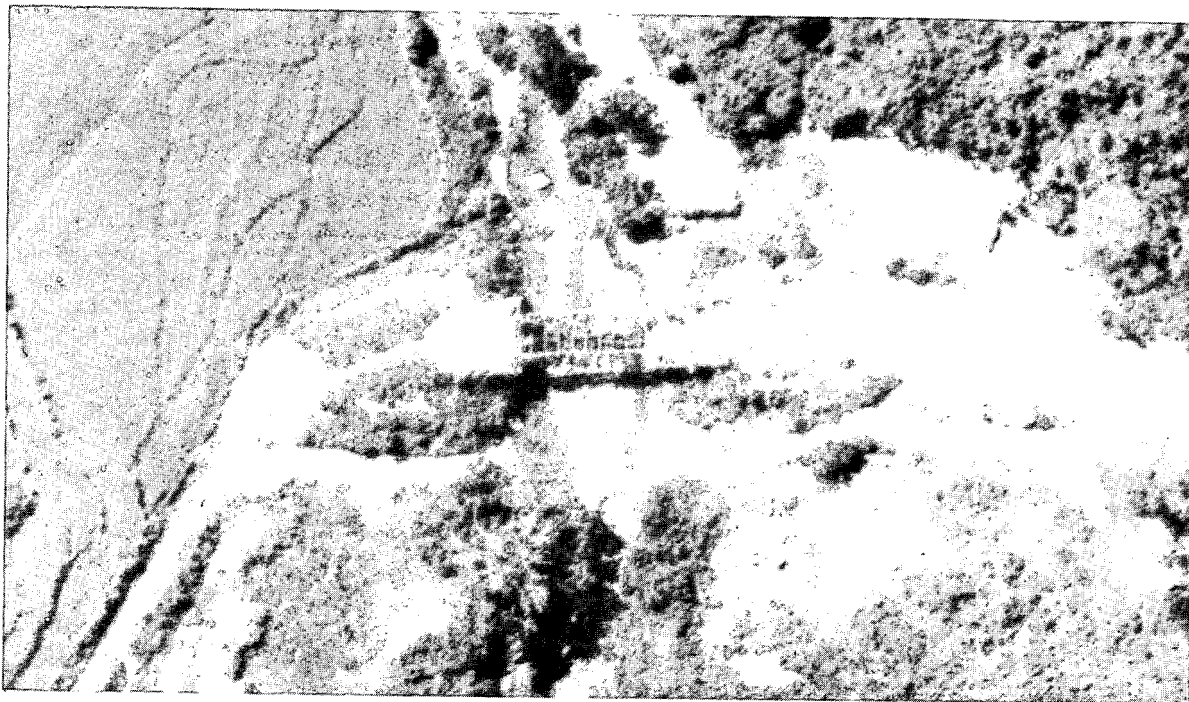
LENGTH OF EACH SPAN 25'

STATUS:

Span heavily damaged - decking gone.

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Cam Nagh Hwy. Bridge Bridge No. 72 on NE 48-7	North Vietnam	18 39N - 105 26E WF 456 632
25X1		BRIEF NO:
		PIB 65215
MAP	AMS L509 NE 48-7	November 1965

LOCATION: 0.3 nm S. of Cam Nagh on an unnumbered Route.

DESCRIPTION:

LENGTH 125' approx.

WIDTH

TYPE

Deck

MATERIAL Wood

NO. OF SPANS 5

LENGTH OF EACH SPAN

25' approx.

STATUS:

Deck, one abutment, and two piers destroyed.

COMPENSATIVE ACTION: By-pass road.

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Tu Dong Hwy. Bridge Bridge No. 14 on NE 48-7	North Vietnam	18 12N - 106 07E XF 180 139
25X1 [REDACTED]		BRIEF NO: PIB 65216 November 1965
MAP	AMS L509 NE 48-7	

LOCATION: 0.7 nm N. of Tu Dong on Route 1A

DESCRIPTION:

LENGTH 180' approx.
WIDTH 10' approx.
TYPE Deck

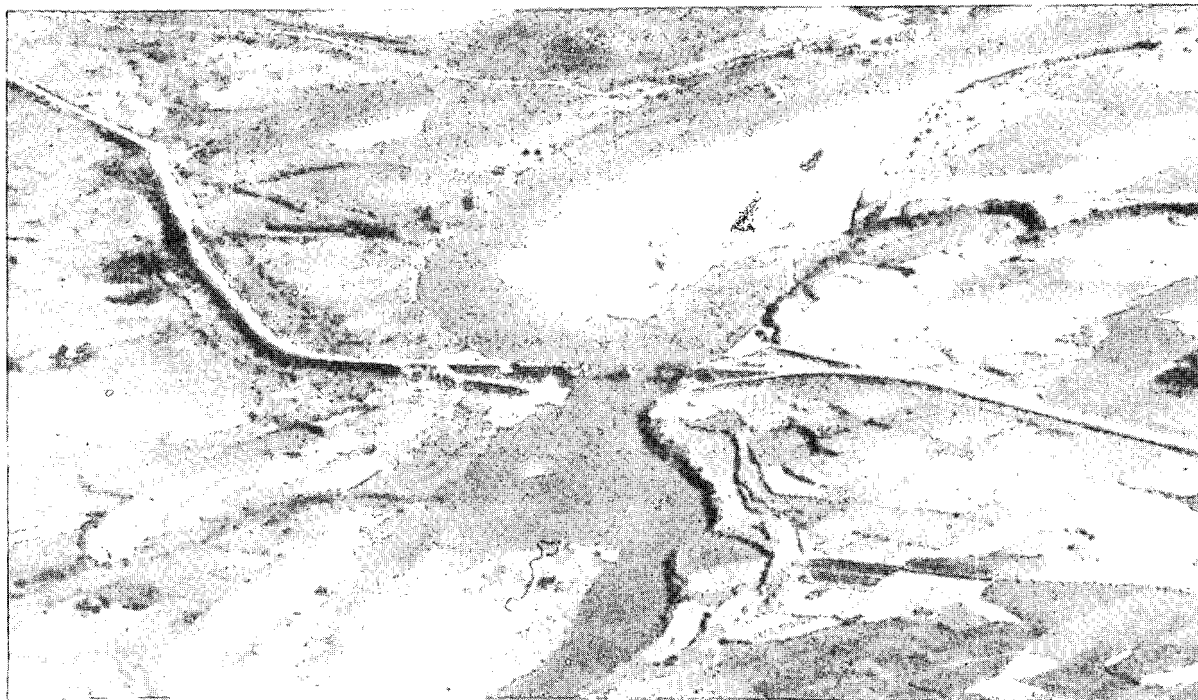
MATERIAL Wood, concrete, steel
NO. OF SPANS 9
LENGTH OF EACH SPAN 20' approx.

STATUS:

5 spans dropped, 3 piers destroyed.

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

NAME Phu Hau R.R. Bridge Bridge No. 51 on NE 48-7	COUNTRY North Vietnam	COORDINATES 18 57N - 105 35E WG 614 959
25X1		BRIEF NO: PIB 65217 November 1965
MAP AMS L509 NE 48-7		

LOCATION: 0.7 nm N.E. of Phu Hau on the Hanoi-Vinh Rail Line

DESCRIPTION:

LENGTH 135' approx.

WIDTH Single track

TYPE Deck

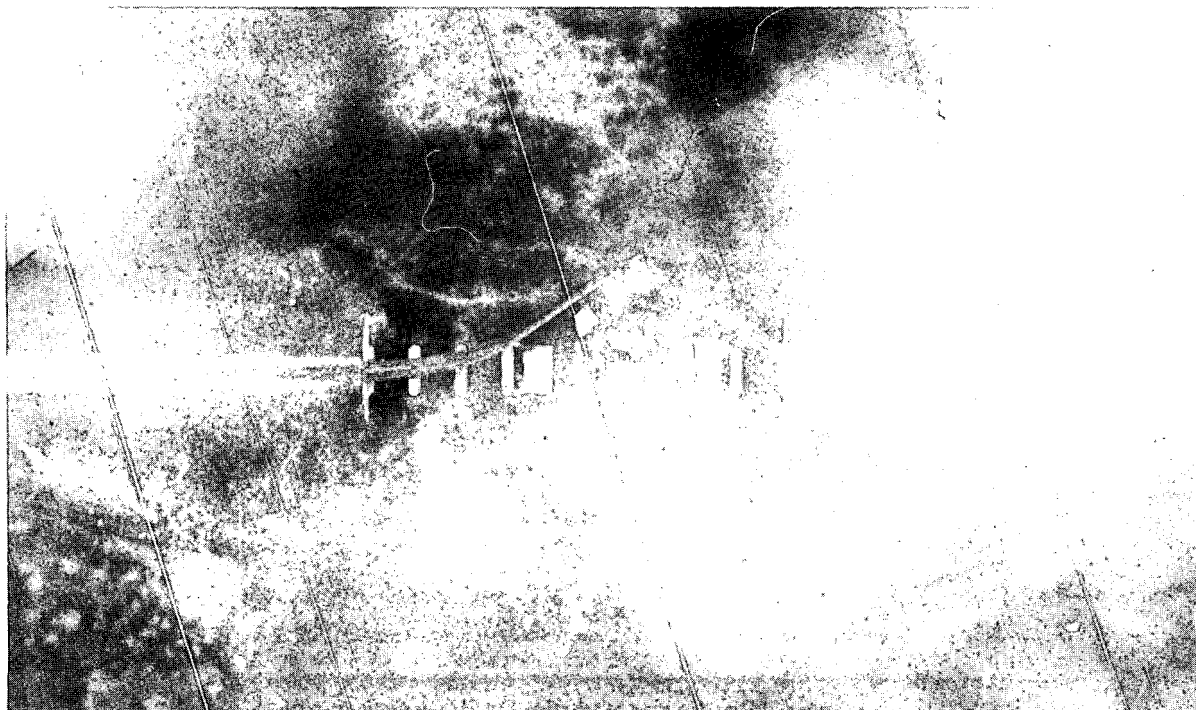
MATERIAL Steel and concrete

NO. OF SPANS 9

LENGTH OF EACH SPAN 15' approx.

STATUS: Unserviceable, 6 spans dropped, 4 piers destroyed. Abutments intact.

COMPENSATIVE ACTION: None

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CIA IMAGERY ANALYSIS DIVISION

NAME Phu Hau R.R. Bridge Bridge No. 51 on NE 48-7	COUNTRY North Vietnam	COORDINATES 18 57N - 105 35E WF 614 959
MAP AMS L509 NE 48-7		BRIEF NO: PIB 65218 November 1965

25X1

LOCATION: 0.7 nm N.E. of Phu Hau on Hanoi-Vinh Rail Line

DESCRIPTION:

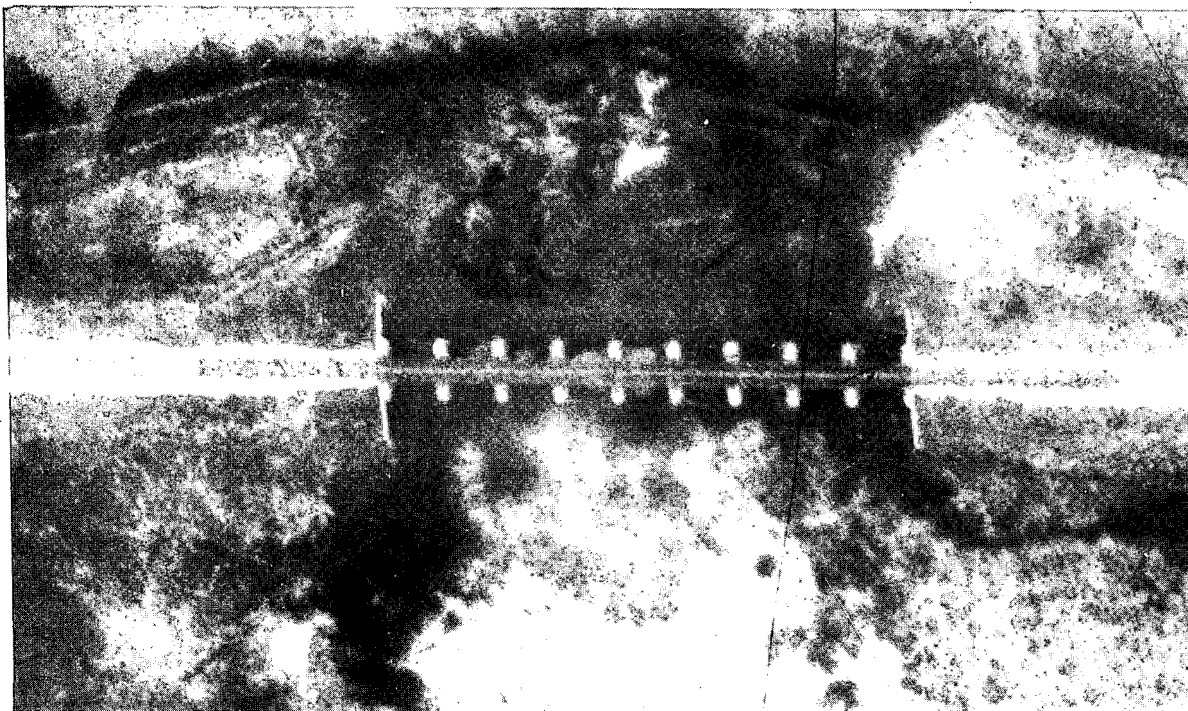
LENGTH 135' approx.
WIDTH Single track
TYPE Deck

MATERIAL Steel and concrete
NO. OF SPANS 9
LENGTH OF EACH SPAN 15' approx.

STATUS:

Pre-strike

COMPENSATIVE ACTION:

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CIA IMAGERY ANALYSIS DIVISION

NAME Phuoc Duc Hwy. Bridge Bridge No. 17 on NE 48-12	COUNTRY North Vietnam	COORDINATES 17 25N - 106 37E XE 720 230
25X1		BRIEF NO: PIB 65219 November 1965
MAP AMS L509 NE 48-12		

LOCATION: 1.0 nm N.W. of Phuoc Duc on an old rail line south of Dong Hoi
used as Route 101.

DESCRIPTION:

LENGTH 135' approx.

WIDTH

TYPE

Deck

MATERIAL Steel, concrete

NO. OF SPANS

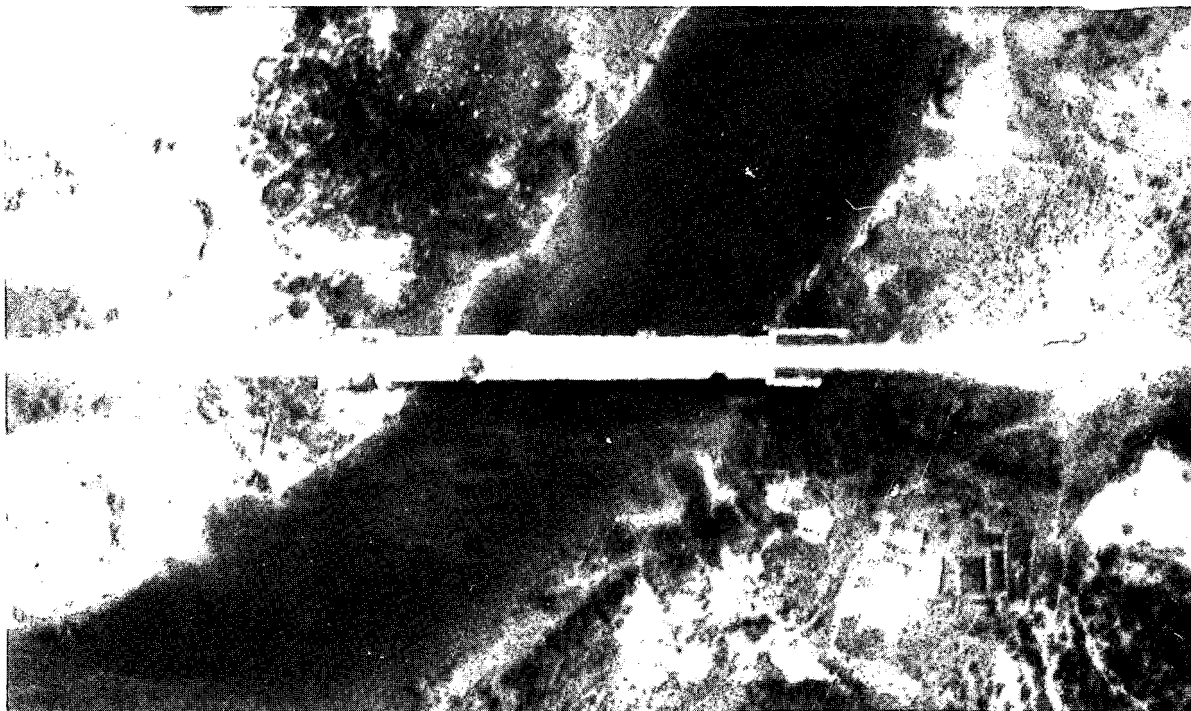
LENGTH OF EACH SPAN

45' approx.

STATUS: Slight damage to the two end spans. Bridge serviceable.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Duong Dau Hwy. Bridge Bridge No. 68 on NE 48-7	North Vietnam	18 08N - 105 45E WF 782 060
25X1		BRIEF NO: PTB 65220 November 1965
MAP	ASM L509	NE 48-7

LOCATION: 0.2 nm W. of Duong Dau on Route 15

DESCRIPTION:

LENGTH 90' approx.

WIDTH

TYPE

Deck

MATERIAL Wood and Concrete

NO. OF SPANS

3

LENGTH OF EACH SPAN

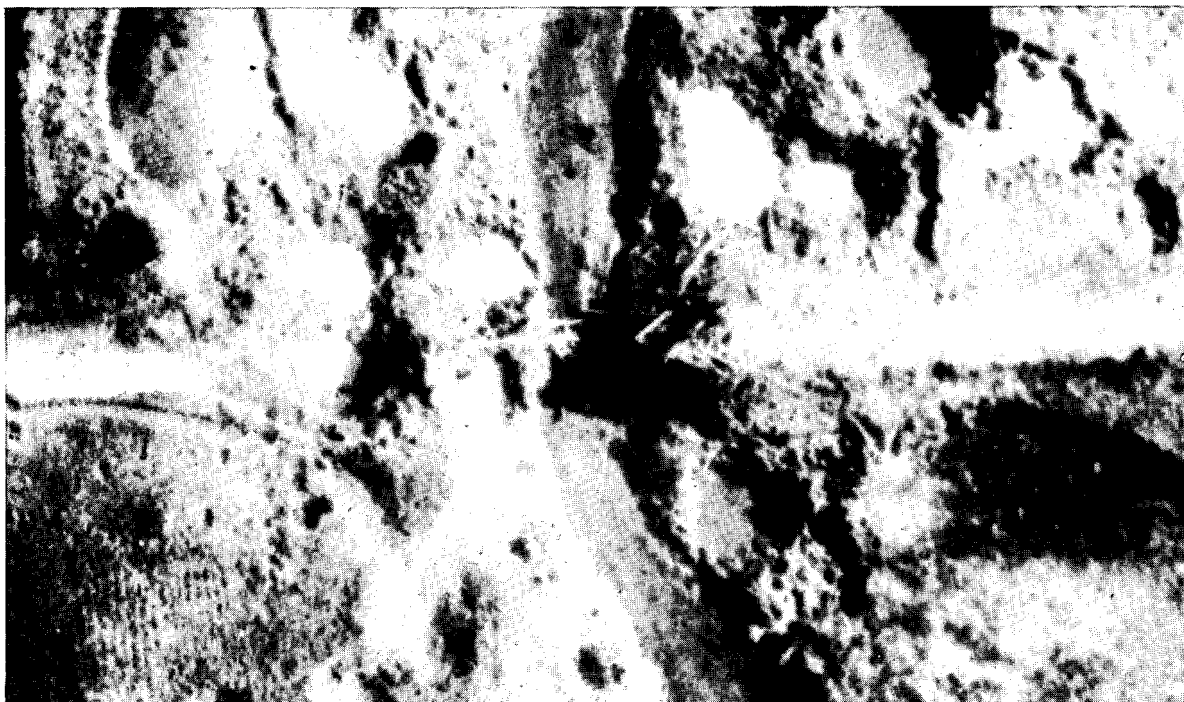
30' approx.

STATUS: Completely destroyed.

COMPENSATIVE ACTION:

Ford

25X1

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CIA IMAGERY ANALYSIS DIVISION

NAME L. Ngoi Nieou R. R. Bridge Bridge No. 9 on NF 48-6	COUNTRY North Vietnam	COORDINATES 22 02N - 104 30E VK 490 373
25X1 <input type="text"/>		BRIEF NO: PIB 65221 November 1965
MAP AMS L509 NF 48-6		

LOCATION: 0.7 nm E. of L. Ngoi Nieou on the Hanoi-Lao Cai Rail Line

DESCRIPTION:

LENGTH	60' approx.	MATERIAL	Steel and Concrete
WIDTH	<input type="text"/>	NO. OF SPANS	2
TYPE	Half-through Truss	LENGTH OF EACH SPAN	30'

25X1

STATUS: Span dropped. Pier and one abutment damaged.

COMPENSATIVE ACTION:

None

25X1

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ky Dong R.R. Bridge Bridge No. 8 on NF 48-6	North Vietnam	22 01N - 104 31E VK 509 362
BRIEF NO:		
PIB 65222		
November 1965		
MAP	AMS L509 NF 48-6	

LOCATION: 1.8 nm S.W. of Ky Dong on the Hanoi-Lao Cai Rail Line

DESCRIPTION:

LENGTH	80' approx.	MATERIAL	Steel and Concrete
WIDTH		NO. OF SPANS	1
TYPE	Deck Inverted Truss	LENGTH OF EACH SPAN	80' approx.

STATUS: Span dropped and damaged. One abutment destroyed.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

NAME Lang Bun R. R. Bridge Bridge No. 1 on NF 48-6	COUNTRY North Vietnam	COORDINATES 22 09N - 104 23E VK 368 493
<div data-bbox="45 426 131 459">25X1</div>		BRIEF NO: PIB 65223 November 1965
<div data-bbox="180 480 638 508">MAP AMS L509 NF 48-6</div>		

LOCATION: 0.1 nm NW of Lang Bun on the Hanoi-Lao Cai Rail Line

DESCRIPTION:

LENGTH
WIDTH
TYPE

Deck

MATERIAL Timber and Concrete

NO. OF SPANS 4

LENGTH OF EACH SPAN

25X1

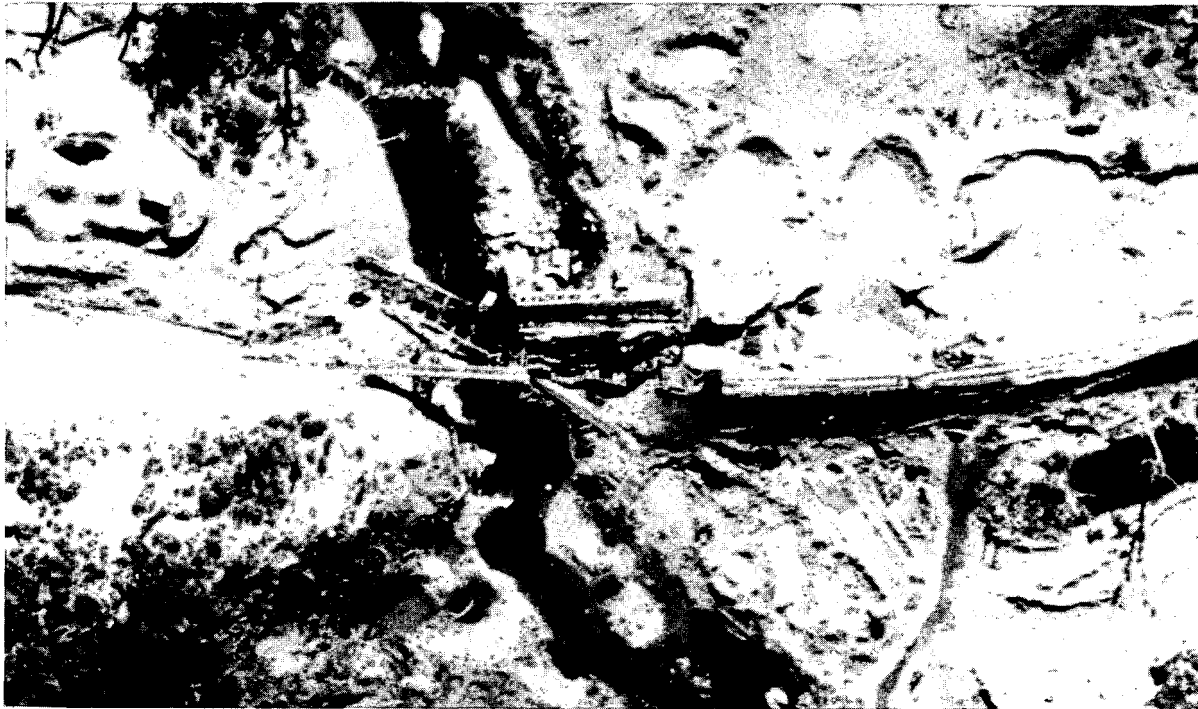
STATUS:

Two spans destroyed. One pier destroyed and one abutment damaged.

COMPENSATIVE ACTION:

None. Note original damaged half-through truss.

25X1

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Som Dong Dep R. R. Bridge Bridge No. 10 on NF 48-10	North Vietnam	21 56N - 104 37E VK 610 266
[REDACTED]		BRIEF NO: PIB 65224 November 1965
MAP AMS L509 NF 48-10		

LOCATION:

1.0 nm N.E. of Som Dong Dep on Hanoi-Lao Cai Rail Line.

DESCRIPTION:

LENGTH 60' approx.
WIDTH [REDACTED]
TYPE Half-through Truss

MATERIAL Steel and Concrete
NO. OF SPANS 1
LENGTH OF EACH SPAN 60'

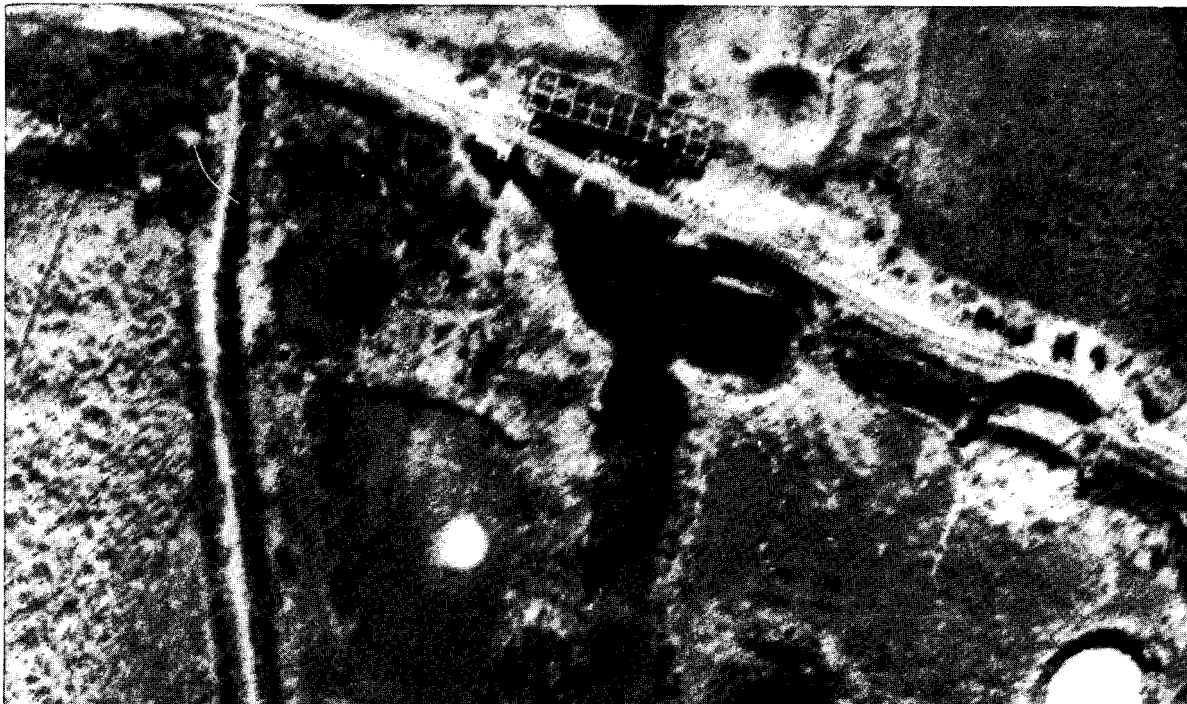
STATUS:

Dropped from both ends.

COMPENSATIVE ACTION:

A 60' timber 3-span (20'15'25') deck bridge has been erected.
It has slight deck damage.

[REDACTED]

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CIA IMAGERY ANALYSIS DIVISION

NAME Xom Nuoc Nong R. R. Bridge Bridge No. 2 on NF 48-10	COUNTRY North Vietnam	COORDINATES 21 54N - 104 39E VK 647 235
25X1 <input type="text"/>		BRIEF NO: PIB 65225 November 1965
MAP AMS L509 NF 48-10		

LOCATION: 1.8 nm E. of Xom Nuoc Nong on the Hanoi-Lao Cai Rail Line

DESCRIPTION:

LENGTH
WIDTH 5' approx.
TYPE Deck

MATERIAL Timber
NO. OF SPANS 3
LENGTH OF EACH SPAN

25X1

STATUS:

3 spans and 2 piers destroyed. Both abutments damaged.

COMPENSATIVE ACTION:

None

Remarks: Note the original steel half-through truss bridge is seen to one side. The temporary timber bridge under construction is seen

25X1

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	COUNTRY	COORDINATES
	Lang Kon R. R. Bridge Bridge No. 10 on NF 48-6	North Vietnam	22 04N - 104 28E VK 455 412
	[REDACTED]		BRIEF NO:
	MAP AMS L509 NF 48-6		PIB 65226 November 1965

LOCATION:

0.7 nm N.E. of Lang Kon on the Hanoi-Lao Cai Rail Line

DESCRIPTION:

25X1	LENGTH	70' approx.	MATERIAL	Steel and Concrete
	WIDTH	[REDACTED]	NO. OF SPANS	1 (probable)
	TYPE	Deck girder	LENGTH OF EACH SPAN	70'

STATUS:

Deck and girder damaged. One abutment damaged.

COMPENSATIVE ACTION:

None

25X1

[REDACTED]~~CONFIDENTIAL~~

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CIA IMAGERY ANALYSIS DIVISION

NAME Trai Hut R. R. Bridge Bridge No. 9 on NF 48-10	COUNTRY North Vietnam	COORDINATES 21 57N - 104 36E VK 590 290
25X1 <input type="text"/>		BRIEF NO: PIB 65227 November 1965
MAP AMS L509 NF 48-10		

LOCATION:

0.2 nm S.E. of Trai Hut on the Hanoi-Lao Cai Rail Line

DESCRIPTION:

LENGTH 65' approx.
 WIDTH
 TYPE Through Truss

MATERIAL Steel and Concrete
 NO. OF SPANS 1
 LENGTH OF EACH SPAN 65'

25X1

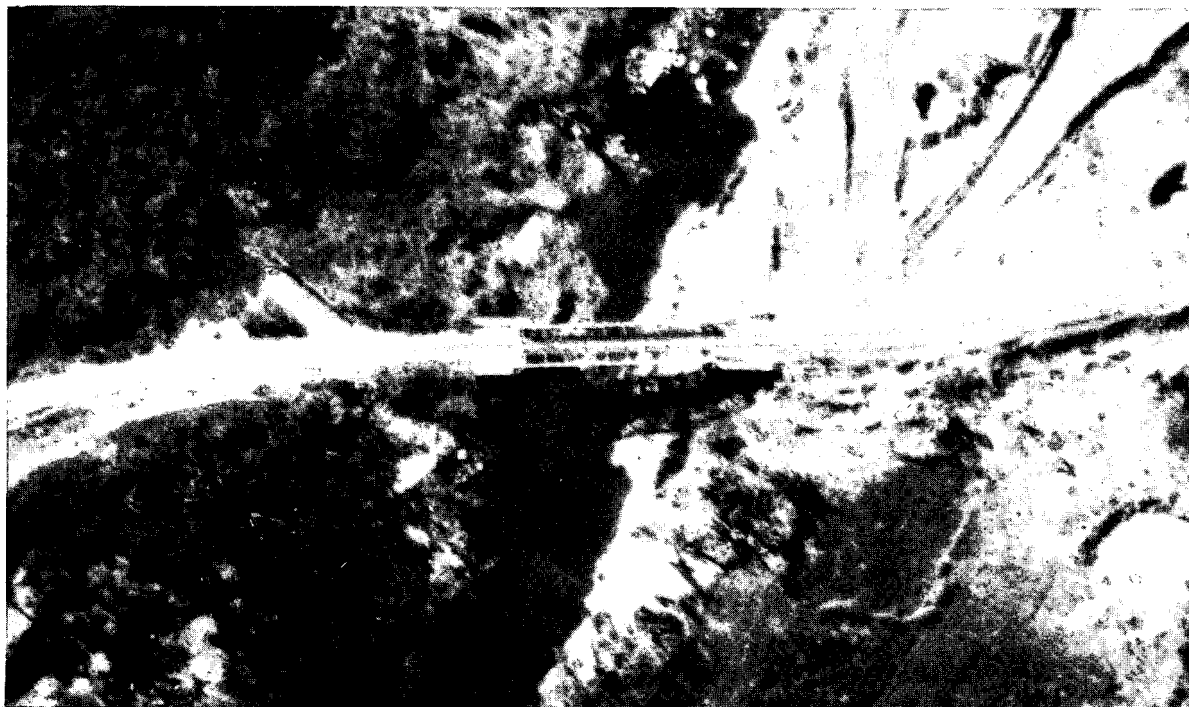
STATUS:

Slight damage to one abutment.

COMPENSATIVE ACTION:

None

25X1

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CIA IMAGERY ANALYSIS DIVISION

NAME Thanh Qua Hwy. Bridge Bridge No. 76 on NE 48-7	COUNTRY North Vietnam	COORDINATES 18 44N - 105 21E WF 374 713
[REDACTED]		BRIEF NO: PIB 65228 December 1965
MAP AMS L509 NE 48-7		

25X1

LOCATION: 0.4 nm W. of Thanh Qua on an unnumbered route off Route 74.

DESCRIPTION:

25X1

LENGTH
WIDTH
TYPE

Deck

MATERIAL Steel with wood and concrete piers
NO. OF SPANS 5
LENGTH OF EACH SPAN [REDACTED]

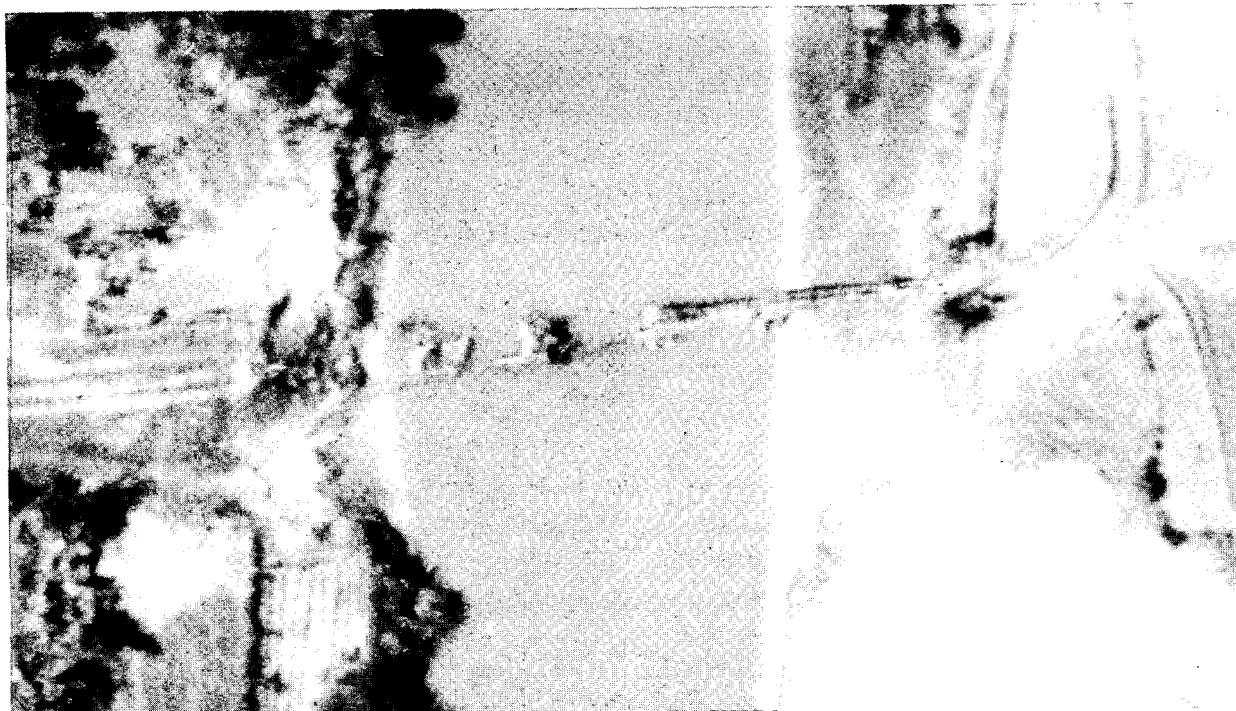
25X1

STATUS:

3 spans destroyed.

COMPENSATIVE ACTION:

.None



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CIA IMAGERY ANALYSIS DIVISION

NAME Yen Lang Hwy. Bridge Bridge No. 43 on NE 48-7	COUNTRY North Vietnam	COORDINATES 18 59N - 105 36E WF 639 998
<div data-bbox="45 430 133 466" data-label="Text">25X1</div>		BRIEF NO: PIB 65229
MAP AMS L509 NE 48-7		November 1965

LOCATION: 0.1 nm N. of Yen Lang on Route 1A

DESCRIPTION:

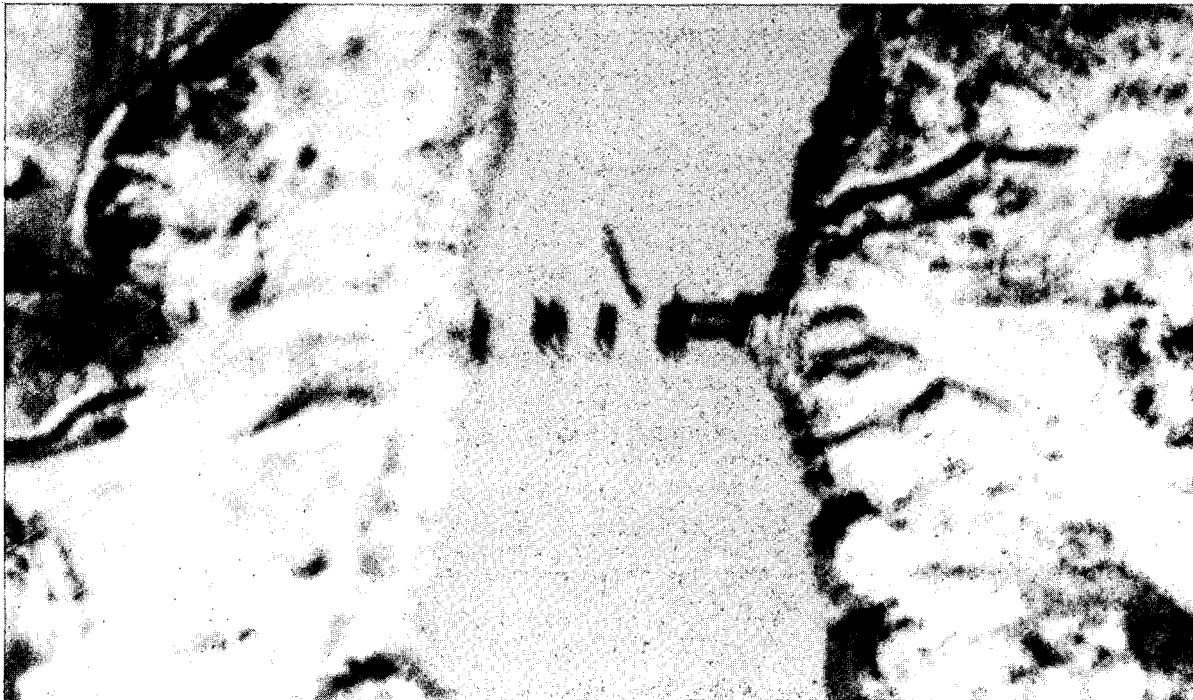
LENGTH	60' approx.	MATERIAL	Wood
WIDTH	10' approx.	NO. OF SPANS	4
TYPE	Deck	LENGTH OF EACH SPAN	15' approx.

STATUS:

3 spans destroyed. One span damaged.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

NAME Bai Xa II Hwy. Bridge Bridge No. 20 on NE 48-2	COUNTRY North Vietnam	COORDINATES 19 08N - 104 41E VG 679 163
25X1 MAP AMS L509 NE 48-2		BRIEF NO: PIB 65231 November 1965

LOCATION: 1.4 nm W. of Bai Xa on Route 7

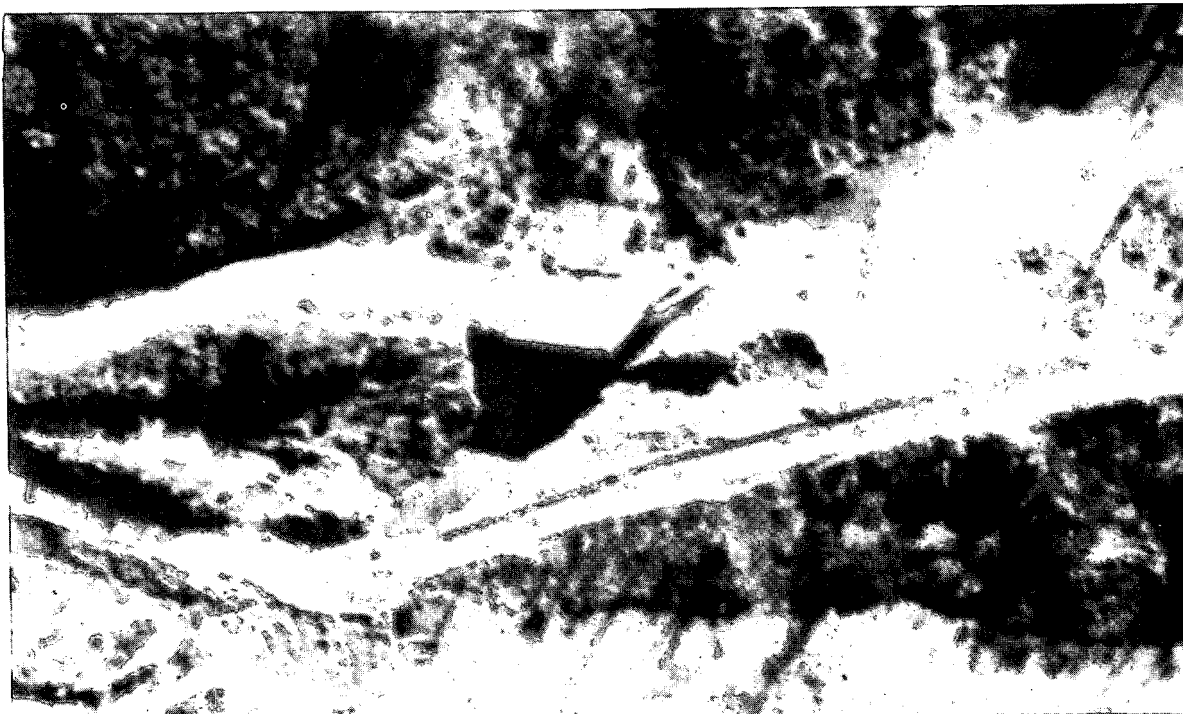
DESCRIPTION:

LENGTH 25' approx.
 WIDTH 15' approx.
 TYPE Deck

MATERIAL Concrete
 NO. OF SPANS 1
 LENGTH OF EACH SPAN 25' approx.

STATUS: One abutment damaged.

COMPENSATIVE ACTION: Ford and Road Re-alignment

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ban Na Ngam Hwy. Bridge Bridge No. 3 on NE 48-9	North Vietnam	21 30N - 103 06E UJ 037 790
25X1		BRIEF NO: PIB - 65232 November 1965
MAP	AMS L509	NE 48-9

LOCATION: 0.2 nm W. of Ban Na Ngam on Route 19

DESCRIPTION:

LENGTH	25' approx.	MATERIAL	Concrete and Wood
WIDTH	15' approx.	NO. OF SPANS	1
TYPE	Deck	LENGTH OF EACH SPAN	25' approx.

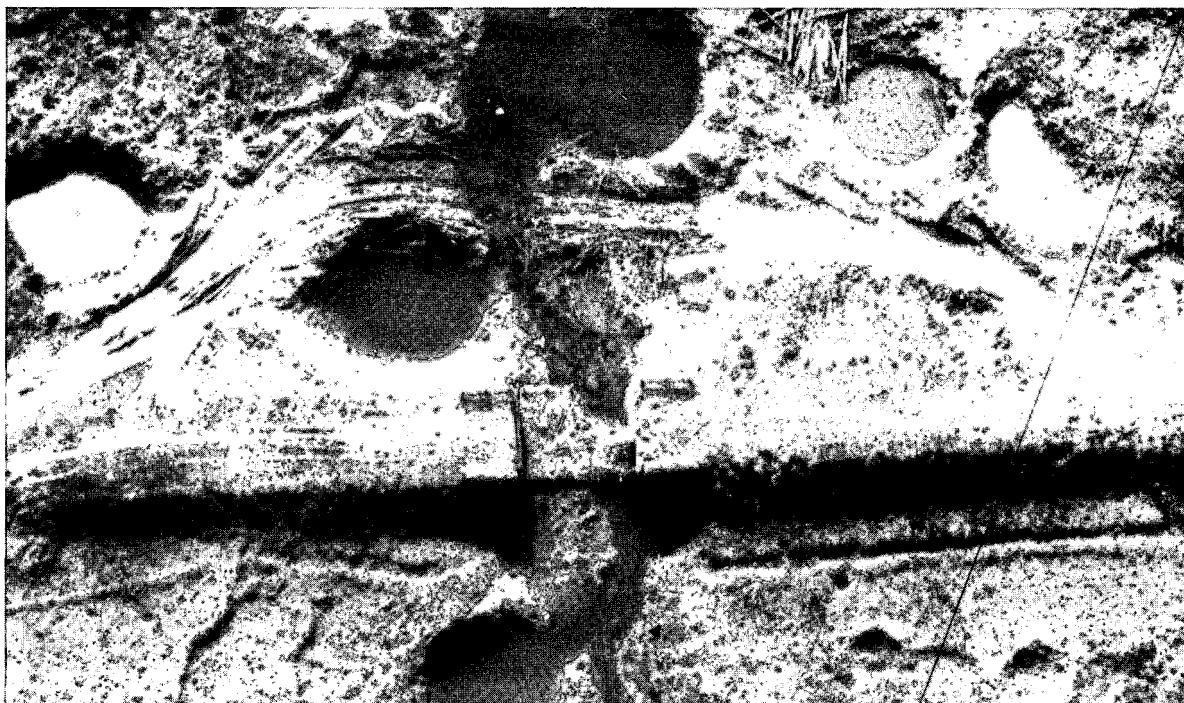
STATUS:

Span dropped and damaged.

COMPENSATIVE ACTION:

Ford

25X1

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CIA IMAGERY ANALYSIS DIVISION

NAME Ban Bung Hwy. Bridge Bridge No. 13 on NF 48-9	COUNTRY North Vietnam	COORDINATES 21 32N - 103 19E UJ 265 825
--	--------------------------	---

25X1

MAP	AMS L509	NF 48-9
-----	----------	---------

BRIEF NO: PIB 65233 November 1965

LOCATION: 0.8 nm West of Ban Bung on Route 19

DESCRIPTION:

LENGTH 90' approx.

MATERIAL Steel, Concrete and Timber

WIDTH

NO. OF SPANS 2

TYPE Deck

LENGTH OF EACH SPAN 45'

25X1

STATUS: Both spans dropped. One abutment damaged.

COMPENSATIVE ACTION:

Road re-alignment and ford

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CIA IMAGERY ANALYSIS DIVISION

NAME Ban Bung Hwy. Bridge Bridge No. 13 on NF 48-9	COUNTRY North Vietnam	COORDINATES 21 32N - 103 19E UJ 265 825
25X1 <input type="text"/>		BRIEF NO: PIB 65233 November 1965
MAP AMS L509 NF 48-9		

LOCATION: 0.8 nm West of Ban Bung on Route 19

DESCRIPTION:

LENGTH 90' approx.

WIDTH

TYPE Deck

MATERIAL Steel, Concrete and Timber

NO. OF SPANS 2

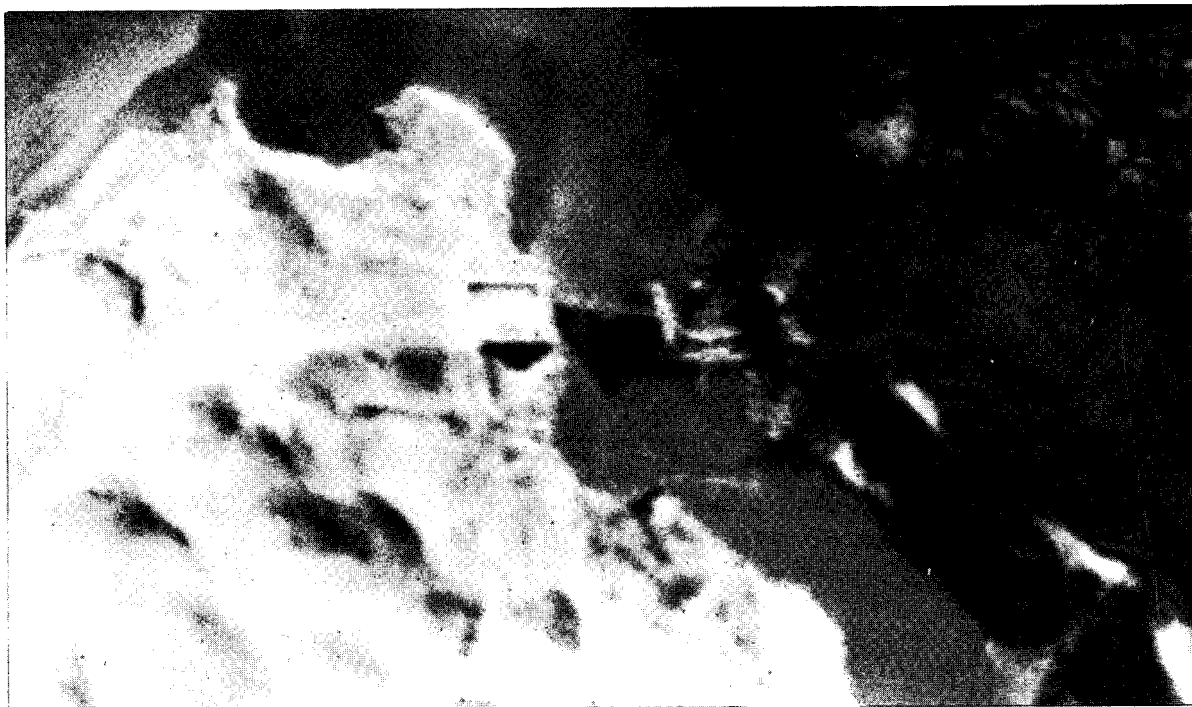
LENGTH OF EACH SPAN 45'

STATUS:

Both spans dropped. One abutment damaged.

COMPENSATIVE ACTION:

Road re-alignment and ford

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	COUNTRY	COORDINATES
	Lang Bo R. R. Bridge Bridge No. 4 on NF 48-6	North Vietnam	22 06N - 104 26E VK 420 442
25X1	BRIEF NO:		
	PIB 65234 November 1965		
	MAP	AMS L509 NF 48-6	
	LOCATION:	3.0 nm W. of Lang Bo on the Hanoi-Lao Cai Rail Line	
	DESCRIPTION:		
	LENGTH	60' approx.	MATERIAL Steel and Concrete
	WIDTH		NO. OF SPANS 1
	TYPE	Deck Girder	LENGTH OF EACH SPAN 60' approx.

STATUS: Span is completely destroyed. No damage to abutments.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Kinh Thuong Hwy. Bridge Bridge No. 24 on NE 48-7	North Vietnam	18 20N - 105 55E WF 976 283
[REDACTED]		BRIEF NO: PTB 65235 December 1965
MAP	AMS L509 NE 48-7	

25X1

LOCATION: 0.2 nm S. of Kinh Thuong on an unnumbered route.

DESCRIPTION:

25X1

LENGTH
WIDTH
TYPE

Deck

MATERIAL

Probable wood

NO. OF SPANS

17 probable

LENGTH OF EACH SPAN

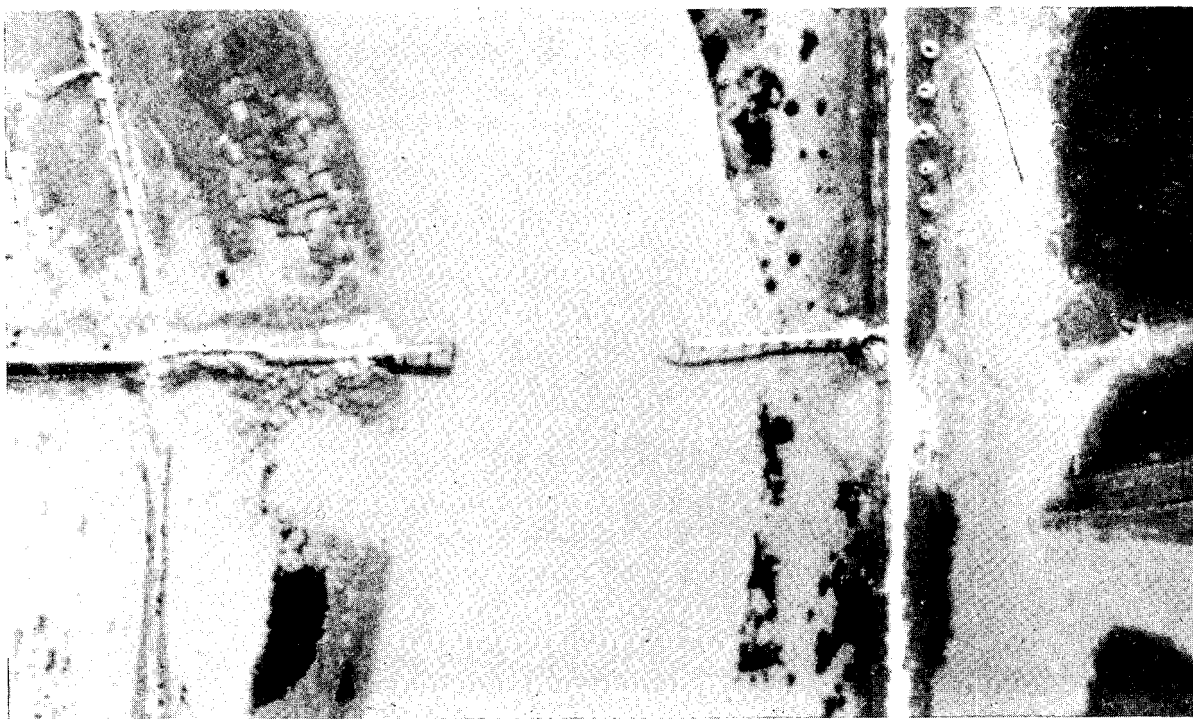
25X1

STATUS:

5 center spans destroyed. 5 or 6 piers destroyed. Abutments appear intact.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

NAME Som Dong Dep R. R. Bridge Bridge No. 10 on NF 48-10	COUNTRY North Vietnam	COORDINATES 21 56N - 104 37E VK 610 266
25X1 <input type="text"/>		BRIEF NO: PIB 65236 November 1965
MAP AMS L509 NF 48-10		

LOCATION: 1.0 nm N.E. of Som Dong Dep on the Hanoi-Lao Cai Rail Line

DESCRIPTION:

25X1
 LENGTH 60' approx.
 WIDTH
 TYPE Half-through Truss

MATERIAL Steel and Concrete
 NO. OF SPANS 1
 LENGTH OF EACH SPAN 60'

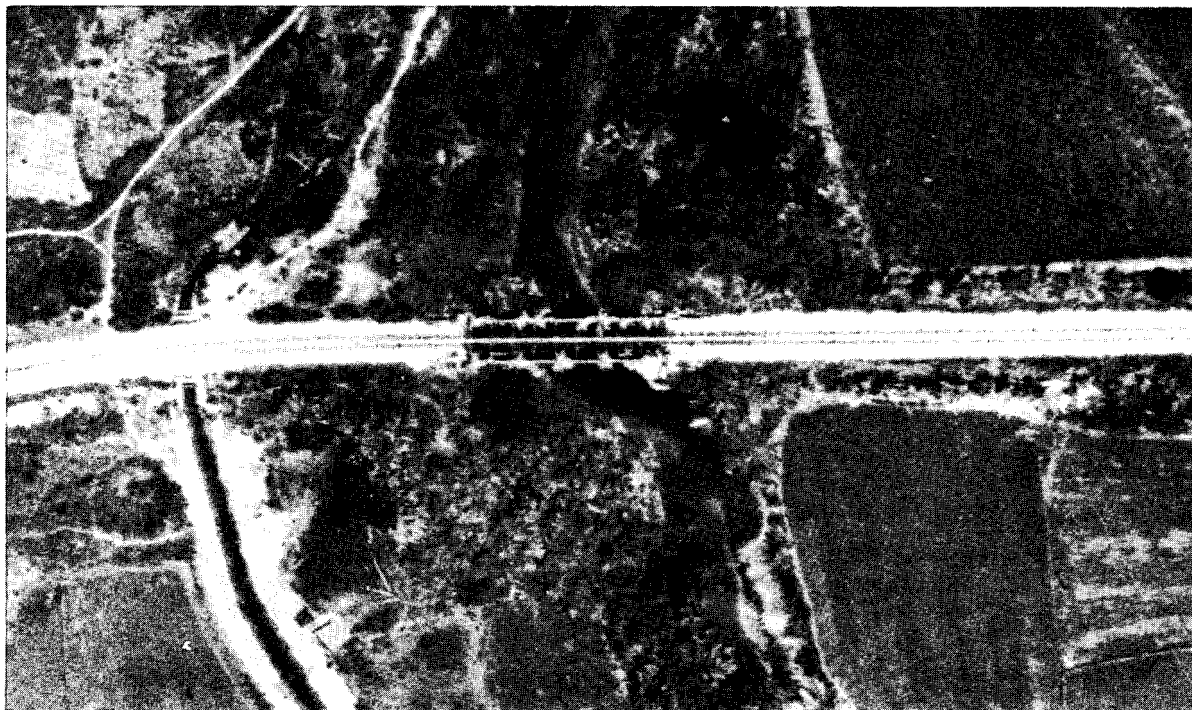
STATUS:

Pre-strike

COMPENSATIVE ACTION:

None

25X1

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CIA IMAGERY ANALYSIS DIVISION

NAME Trai Hut R. R. Bridge Bridge No. 9 on NF 48-10	COUNTRY North Vietnam	COORDINATES 21 57N - 104 36E VK 590 290
<div style="border: 1px solid black; height: 20px; width: 100%;"></div>		BRIEF NO: PIB 65237 November 1965
MAP AMS L509 NF 48-10		

25X1

LOCATION: 0.2 nm S.E. of Trai Hut on the Hanoi-Lao Cai Rail Line.

DESCRIPTION:

LENGTH 65' approx.
WIDTH
TYPE Through Truss

MATERIAL Steel and Concrete
NO. OF SPANS 1
LENGTH OF EACH SPAN 65'

25X1

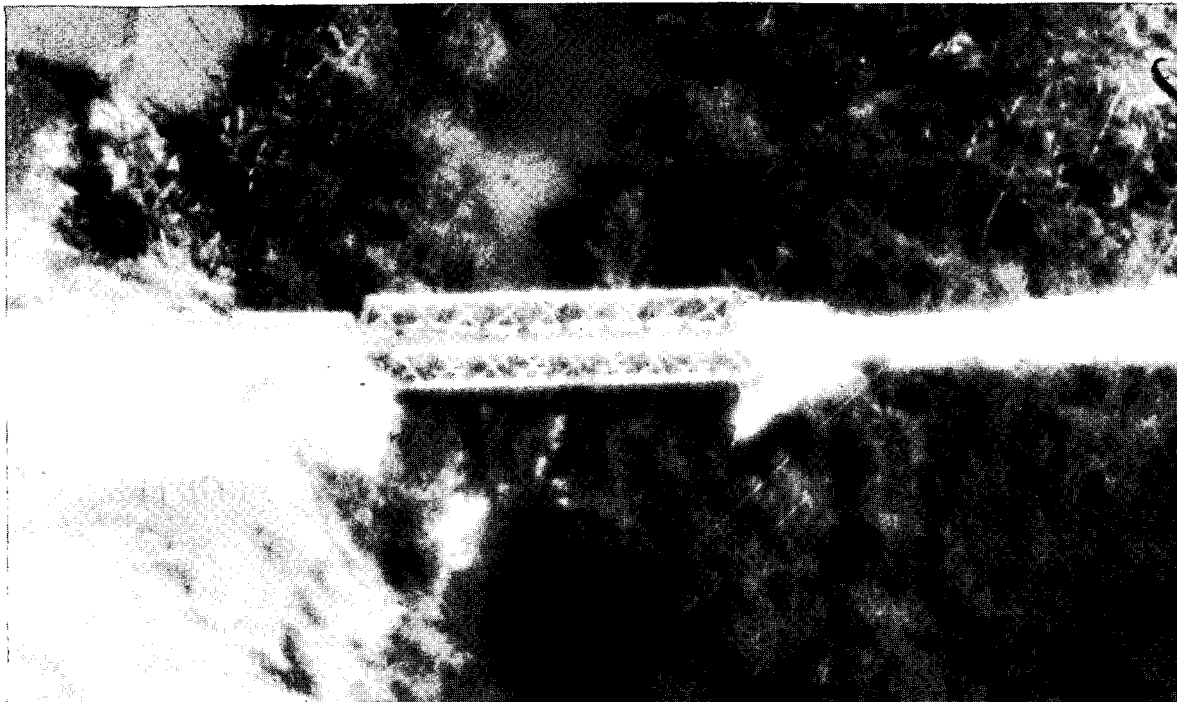
STATUS:

Pre-strike

COMPENSATIVE ACTION:

None

25X1



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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Go Dong R.R. Bridge on Stream	COUNTRY		COORDINATES	
		Bridge No. 3 on NF 48-10		North Vietnam		21 44N - 104 50E VK 836 040
25X1					BRIEF NO:	
						PIB 65238 December 1965
	MAP	AMS L509	NF 48-10			

LOCATION: 0.2 nm W. of Lom Hang on the Hanoi-Lao Cai Rail Line

DESCRIPTION:

25X1	LENGTH	95' approx.	MATERIAL	Steel and concrete
	WIDTH		NO. OF SPANS	1
	TYPE	Half-through truss	LENGTH OF EACH SPAN	95' approx.

STATUS:

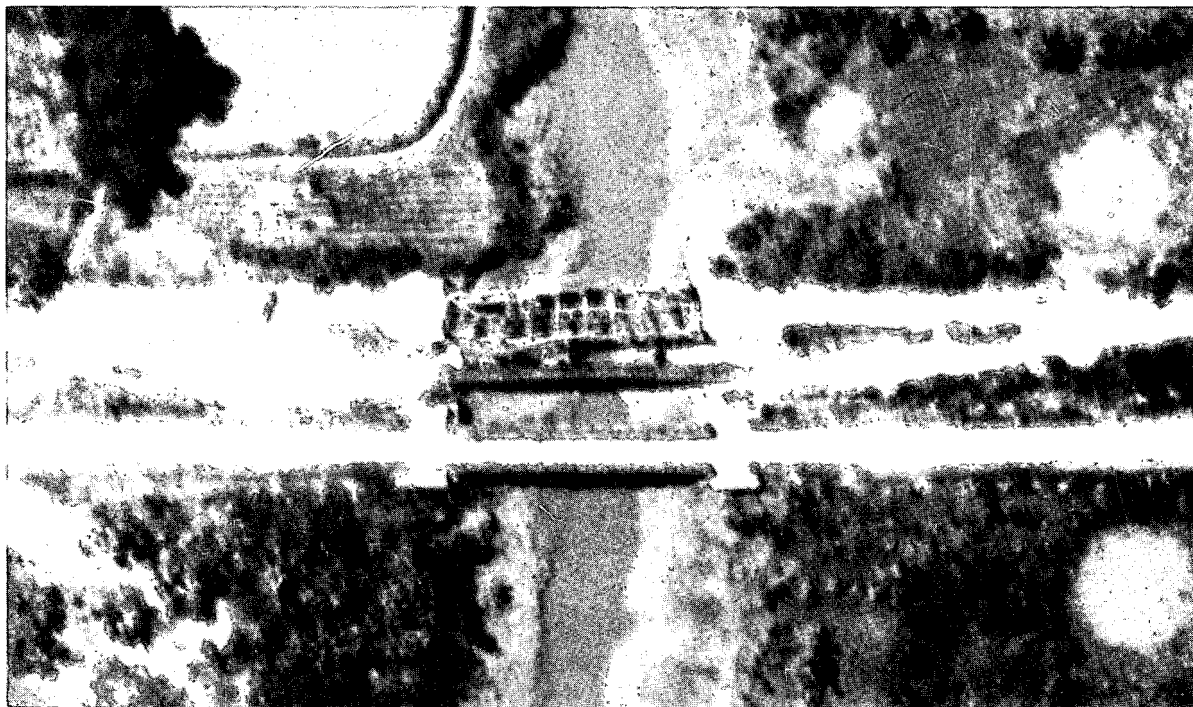
Spans destroyed. Abutments intact.

COMPENSATIVE ACTION:

A 95' x 5' approx., 4 span deck-type wood beam bridge has been erected adjacent to the half through truss.

25X1

25X1

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Thuong Phu Hwy. Bridge Bridge No. 23 on NE 48-11	North Vietnam	17 49N - 106 08E XE 206 710
MAP AMS L509 NE 48-11		BRIEF NO: PTB - 65239 December 1965

LOCATION: 0.4 nm W. of Thuong Phu on an abandoned R.R.

DESCRIPTION:

LENGTH 90' approx.
WIDTH
TYPE DeckMATERIAL Steel and concrete
NO. OF SPANS 1
LENGTH OF EACH SPAN 90' approx.

STATUS:

Destroyed

COMPENSATIVE ACTION: Adjacent timber bridge.

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CIA IMAGERY ANALYSIS DIVISION

NAME

Lang Kon R. R. Bridge
Bridge No. 10 on NF 48-6

COUNTRY

North Vietnam

COORDINATES

22 04N - 104 28E
VK 455 412

25X1

MAP

AMS L509 NF 48-6

BRIEF NO:

PIB 65240
November 1965

LOCATION:

0.7 nm N.E. of Lang Kon on Lao Cai Rail Line.

DESCRIPTION:

LENGTH

70' approx.

WIDTH

TYPE

Deck girder

MATERIAL Steel and Concrete

NO. OF SPANS 1 Probable

LENGTH OF EACH SPAN 70'

25X1

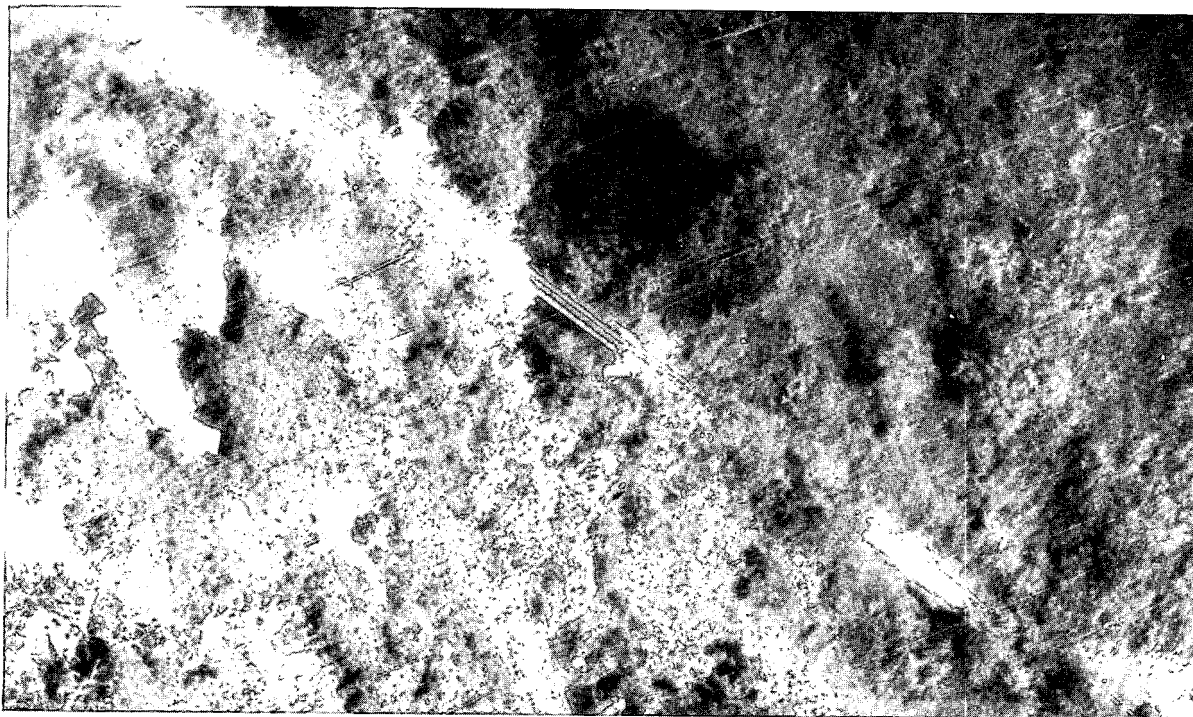
STATUS:

Pre-strike

COMPENSATIVE ACTION:

None

25X1

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
L. Ngoi Nieou R. R. Bridge Bridge No. 9 on NF 48-6	North Vietnam	22 02N - 104 30E VK 490 373
25X1		BRIEF NO: PIB 65241 November 1965
MAP AMS L509 NF 48-6		

LOCATION: 0.7 nm E.N.E. of L. Ngoi Nieou on the Hanoi-Lao Cai Rail Line

DESCRIPTION:

LENGTH	60' approx.	MATERIAL	Steel and Concrete
WIDTH		NO. OF SPANS	2
TYPE	Half-through truss	LENGTH OF EACH SPAN	30'

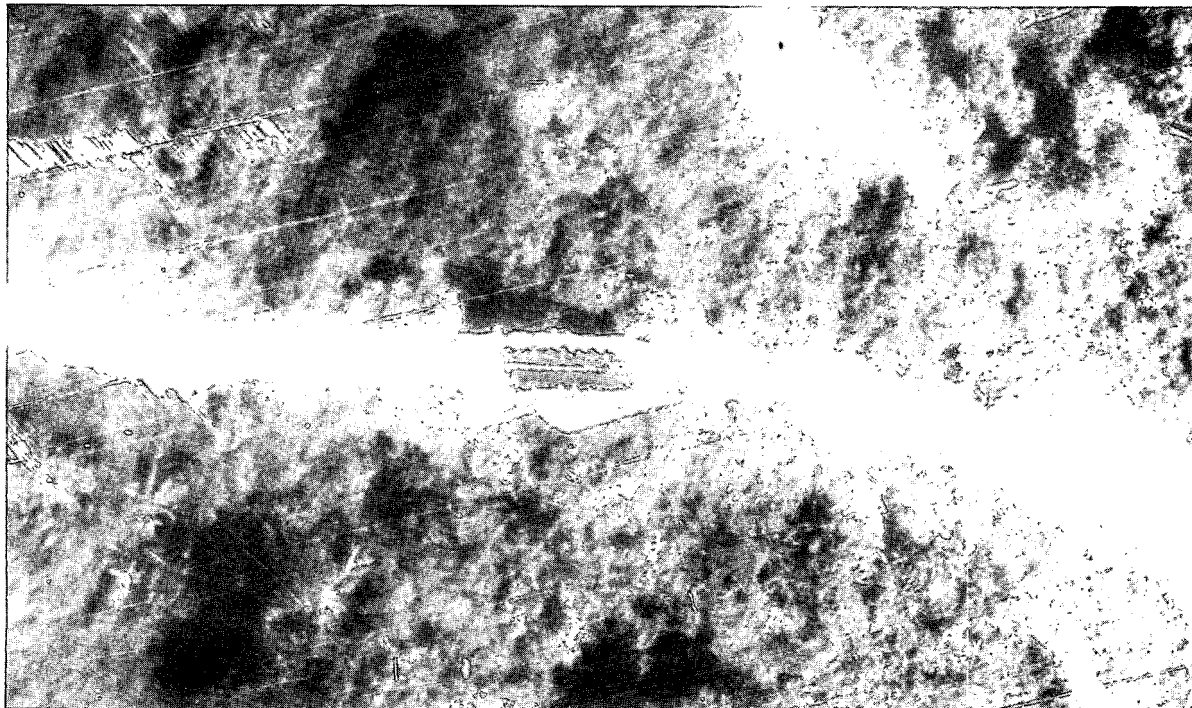
STATUS:

Pre-strike

COMPENSATIVE ACTION:

None

25X1

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ky Dong R. R. Bridge Bridge No. 8 on NF 48-6	North Vietnam	22 01N - 104 31E VK 509 362

25X1

MAP AMS L509 NF 48-6

BRIEF NO:
PIB 65242
November 1965

LOCATION: 1.8 nm S.W. of Ky Dong on the Hanoi-Lao Cai Rail Line

DESCRIPTION:

LENGTH 80' approx.
WIDTH
TYPE Deck Inverted TrussMATERIAL Concrete and Steel
NO. OF SPANS 1.
LENGTH OF EACH SPAN 80'

25X1

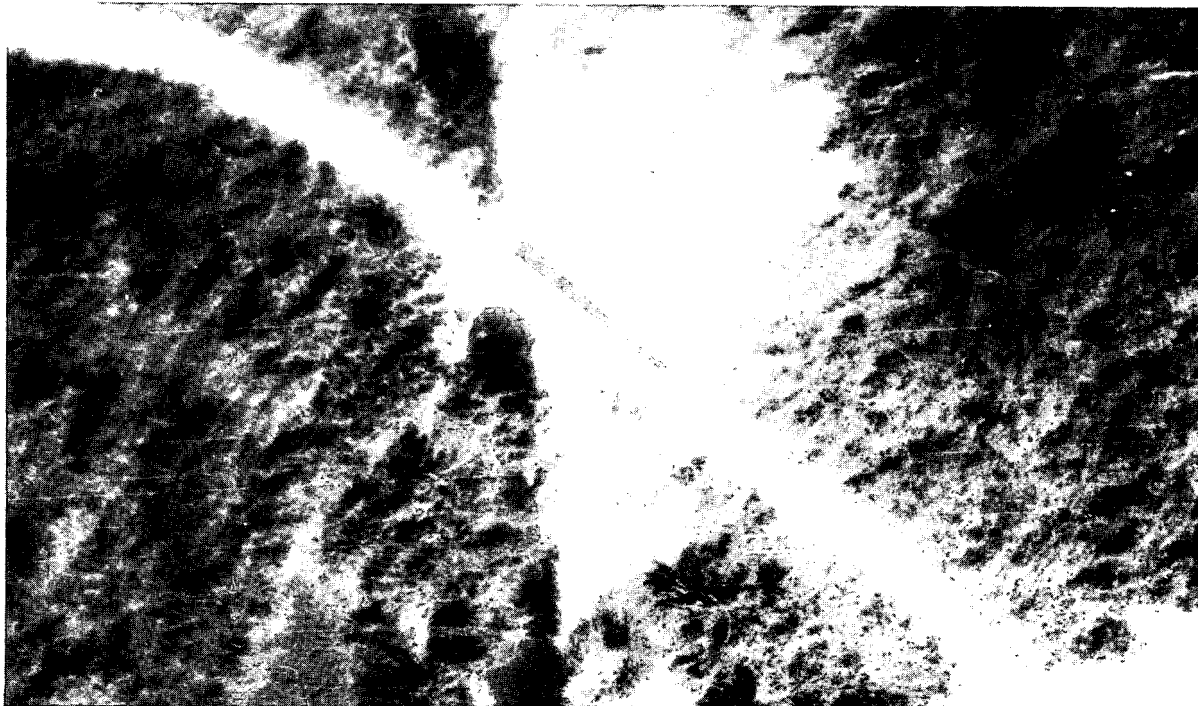
STATUS:

Pre-strike

COMPENSATIVE ACTION:

None

25X1

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Lang Ke Ha Bong Hwy. Bridge Bridge 4 on NF 48-15	North Vietnam	20 34N - 105 01E WH 020 752
25X1 [REDACTED]		BRIEF NO: PIB 65243 November 1965
MAP	AMS L509 NF 48-15	

LOCATION: 1.6 nm N.E. of Lang Ke Ha Bong on an unnumbered route.

DESCRIPTION:

LENGTH
WIDTH
TYPE[REDACTED]
approx. 10'
DeckMATERIAL Wood and Concrete
NO. OF SPANS 6
LENGTH OF EACH SPAN [REDACTED]

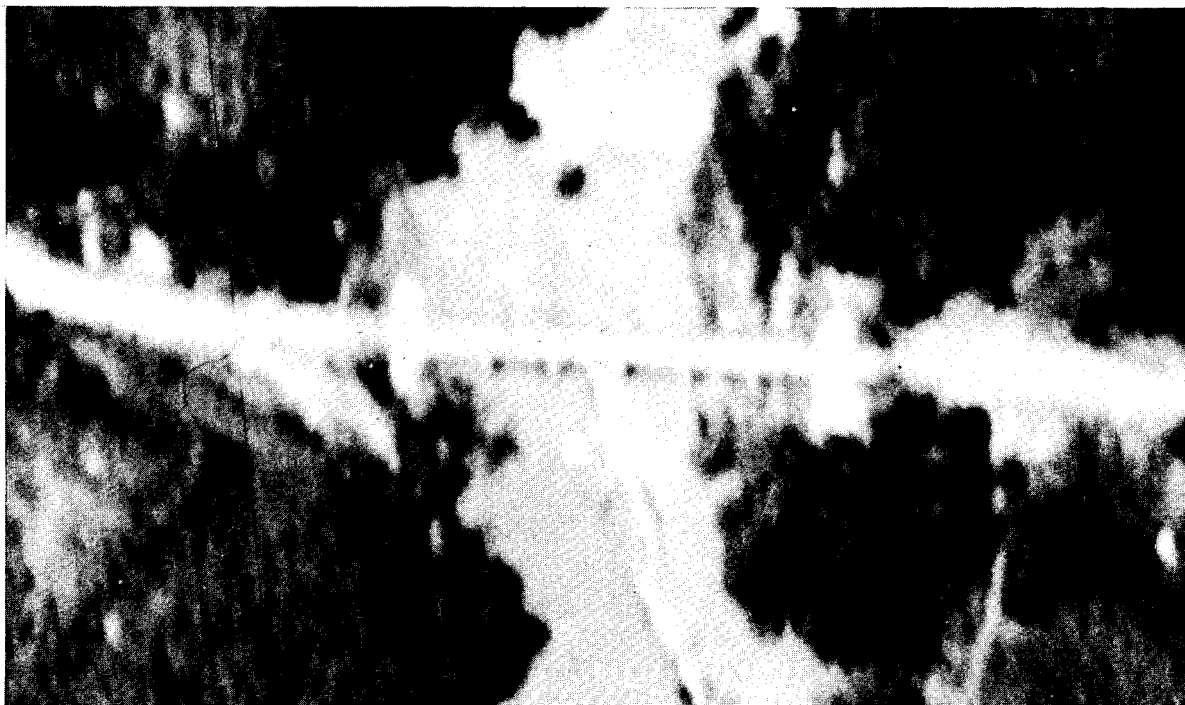
25X1

STATUS:

Pre-strike

COMPENSATIVE ACTION:

N/A

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CIA IMAGERY ANALYSIS DIVISION

NAME Lang Ke Ha Bong Hwy. Bridge Bridge No. 4 on NF 48-15	COUNTRY North Vietnam	COORDINATES 20 34N - 105 01E WH 020 752
<div>25X1</div>		BRIEF NO: PIB 65244 November 1965
MAP AMS L509 NF 48-15		

LOCATION: 1.6 nm N.E. of Lang Ke Ha Bong on an unnumbered route

DESCRIPTION:

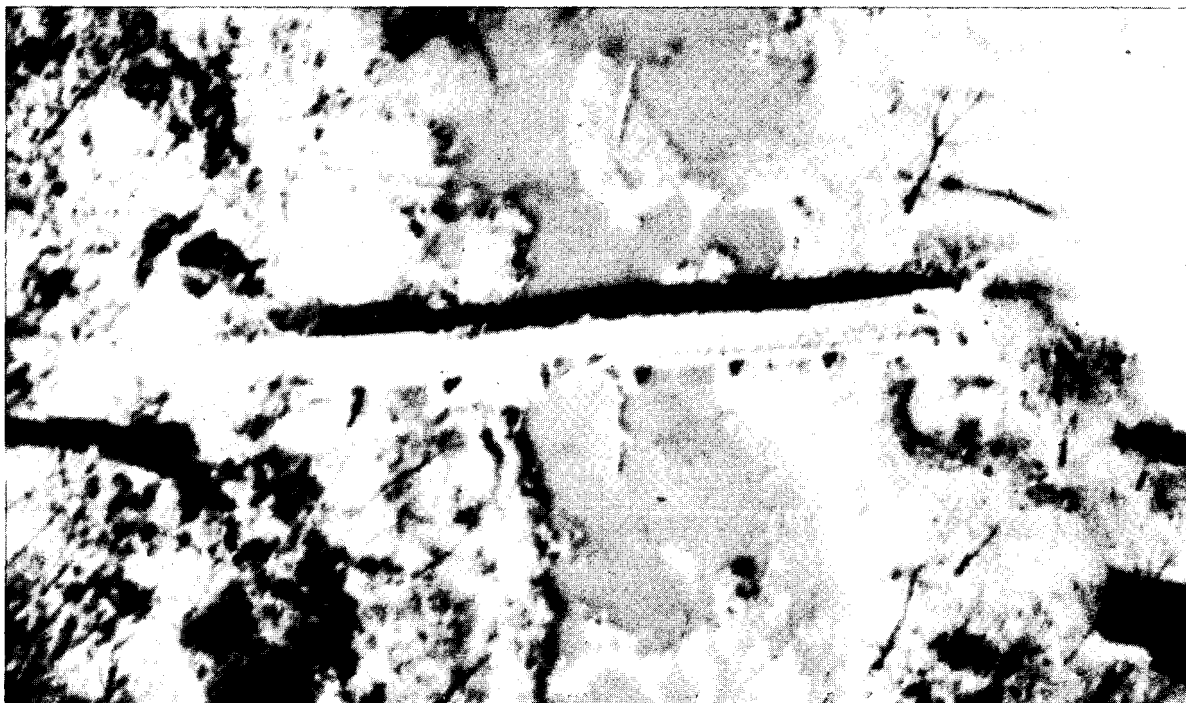
LENGTH		MATERIAL	Wood and Concrete
WIDTH	10' (approx.)	NO. OF SPANS	6
TYPE	Deck	LENGTH OF EACH SPAN	

25X1

STATUS: 2 spans heavily damaged, 3 spans slightly damaged. One abutment and one pier damaged.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Lang Moc Hwy. Bridge Bridge No. 34 on NF 48-10	North Vietnam	12 13N - 104 30E VJ 494 475

25X1

		BRIEF NO: PIB 65245 December 1965
MAP	AMS L509	NF 48-10

LOCATION: 1.2 nm E. of Lang Moc on Route No. 13A

DESCRIPTION:

25X1

LENGTH [REDACTED]
WIDTH 15' approx.
TYPE Through Truss

MATERIAL Steel, concrete and wood
NO. OF SPANS 2 probable
LENGTH OF EACH SPAN [REDACTED]

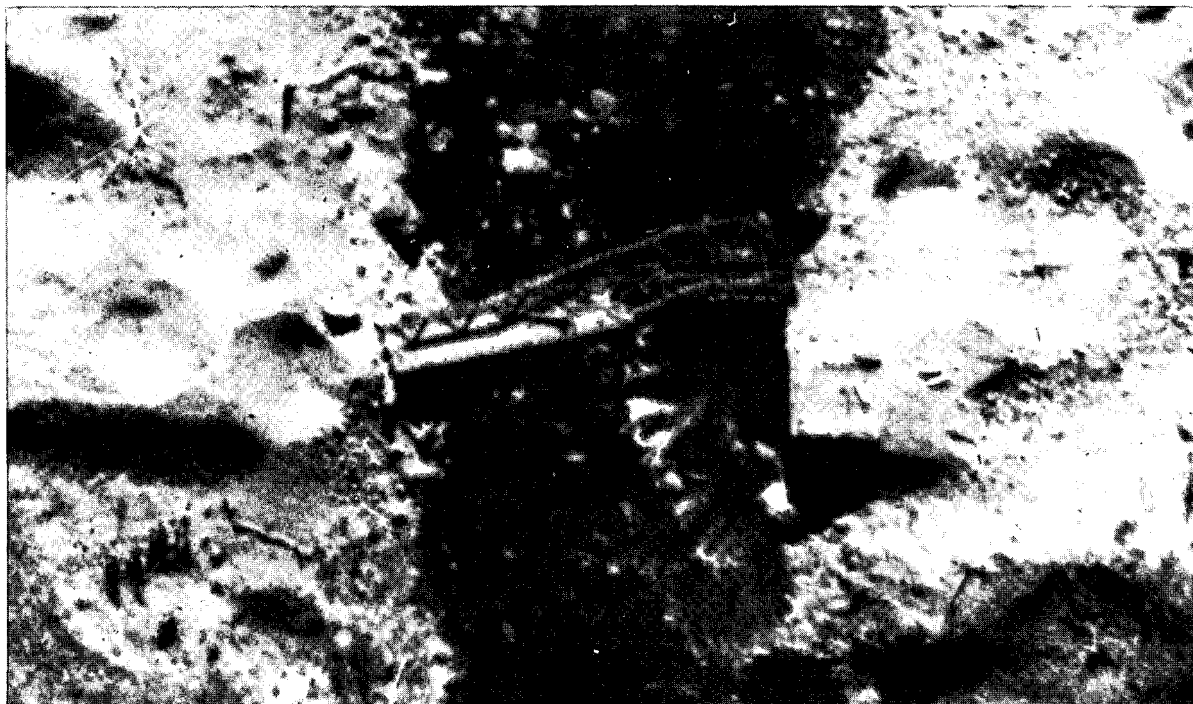
25X1

STATUS:

One span destroyed. One span heavily damaged. Abutments heavily damaged.

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

NAME Phu Nhan Hwy. Bridge Bridge No. 34 on NE 48-3	COUNTRY North Vietnam	COORDINATES 19 26N - 105 48E WG 840 490
[REDACTED]		BRIEF NO: PIB 65246 December 1965
MAP AMS L509 NE 48-3		

LOCATION: 0.5 nm S.E. of Phu Nhan on an unnumbered route.

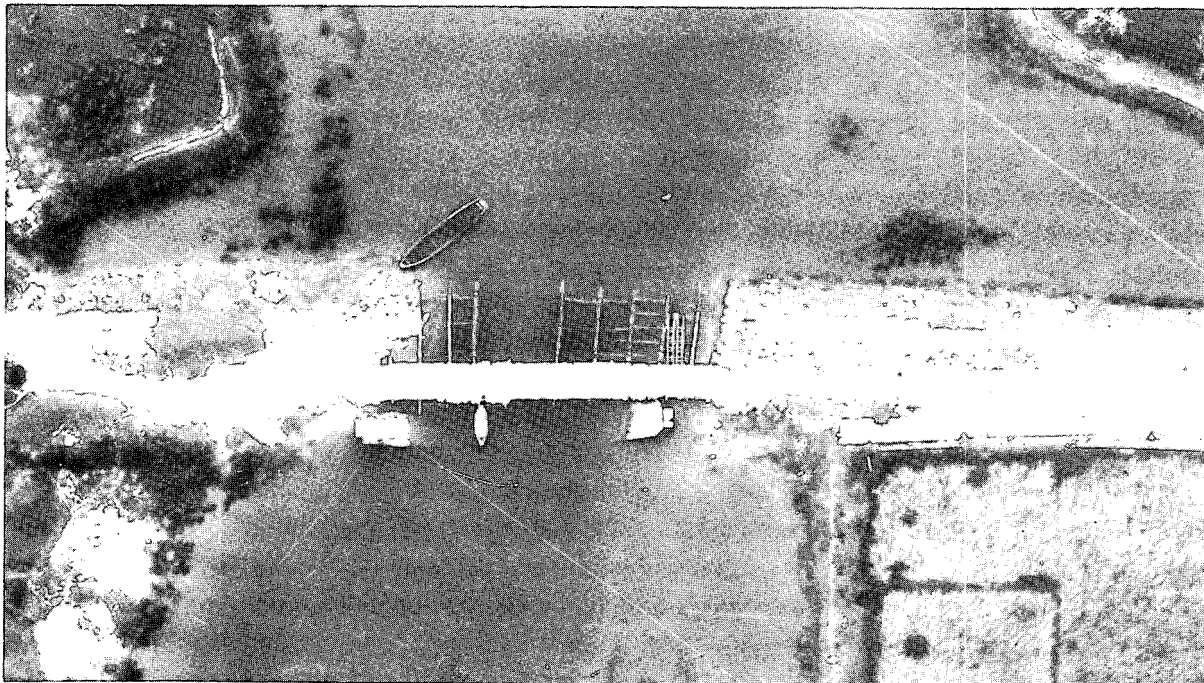
DESCRIPTION:

LENGTH 160' approx.
WIDTH [REDACTED]
TYPE DeckMATERIAL Concrete and steel
NO. OF SPANS 4 probable
LENGTH OF EACH SPAN 40' approx.

STATUS:

Completely destroyed.

COMPENSATIVE ACTION: A temporary timber bridge adjacent to the site of the destroyed bridge.

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Lang Ke Ha Bong Hwy. Bridge Bridge No. 4 on NE 48-15	North Vietnam	20 34N - 105 01E WH 020 752
		BRIEF NO:
		PTB 65247
MAP	AMS L509 NE 48-15	December 1965

25X1

LOCATION: 1.6 nm N.E. of Lang Ke Ha Bong on an unnumbered route

DESCRIPTION:

25X1

LENGTH

WIDTH

TYPE

10' approx.

Deck

MATERIAL Wood and concrete

NO. OF SPANS 6

LENGTH OF EACH SPAN

25X1

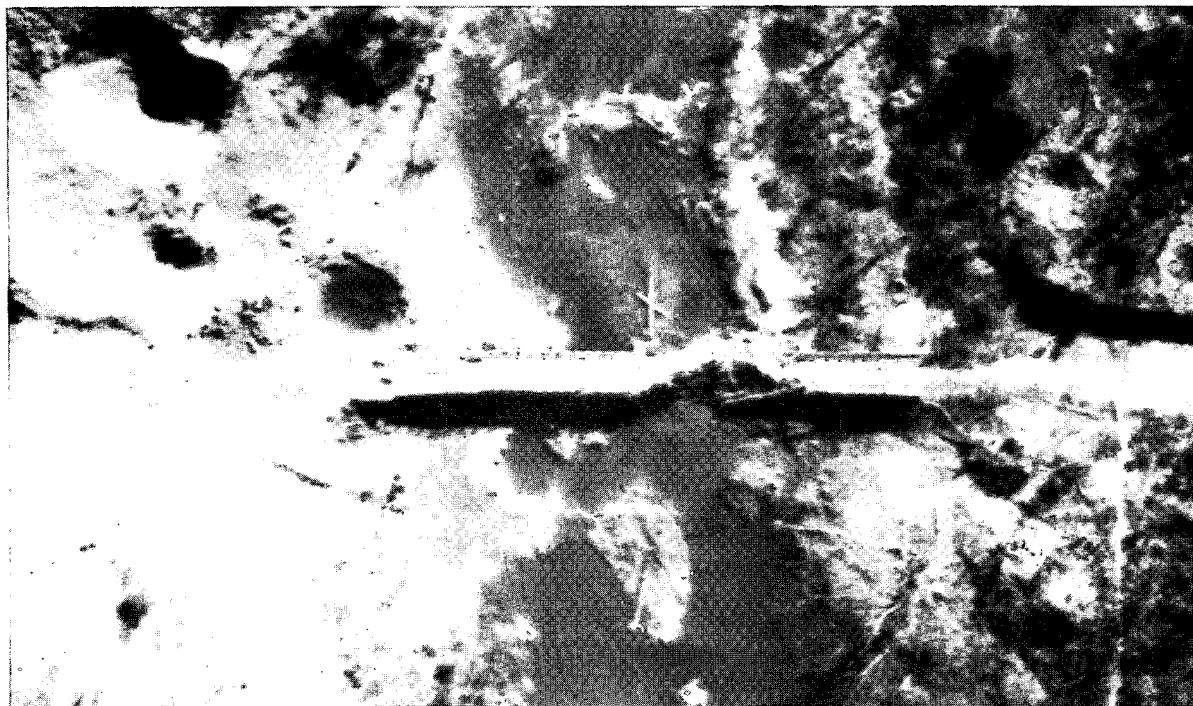
STATUS:

2 spans destroyed. 3 spans light damage. 1 abutment and 1 pier damaged.

COMPENSATIVE ACTION:

None

25X1

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ban Cha Hwy. Bridge Bridge No. 19 on NF 48-9	North Vietnam	21 32N - 103 14E UJ 176 832
		BRIEF NO: PTB 65248 December 1965
MAP	AMS L509 NF 48-9	

25X1

LOCATION: 0.3 nm N.E. of Ban Cha on an unnumbered route

DESCRIPTION:

LENGTH 45' approx.
WIDTH 15' approx.
TYPE Deck

MATERIAL Concrete
NO. OF SPANS 1
LENGTH OF EACH SPAN 45' approx.

STATUS:

Deck slightly damaged. One abutment severely damaged.

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Dong Le Hwy. Bridge Bridge No. 35 on NE 48-3	North Vietnam	19 15N - 105 44E WG 765 300
25X1		BRIEF NO:
		PTB 65249
MAP	AMS L509	December 1965
NE 48-3		

LOCATION: 1.0 nm S.W. of Dong Le on an unnumbered route

DESCRIPTION:

LENGTH
WIDTH
TYPE

Deck

MATERIAL Wood
NO. OF SPANS 3 probable
LENGTH OF EACH SPAN

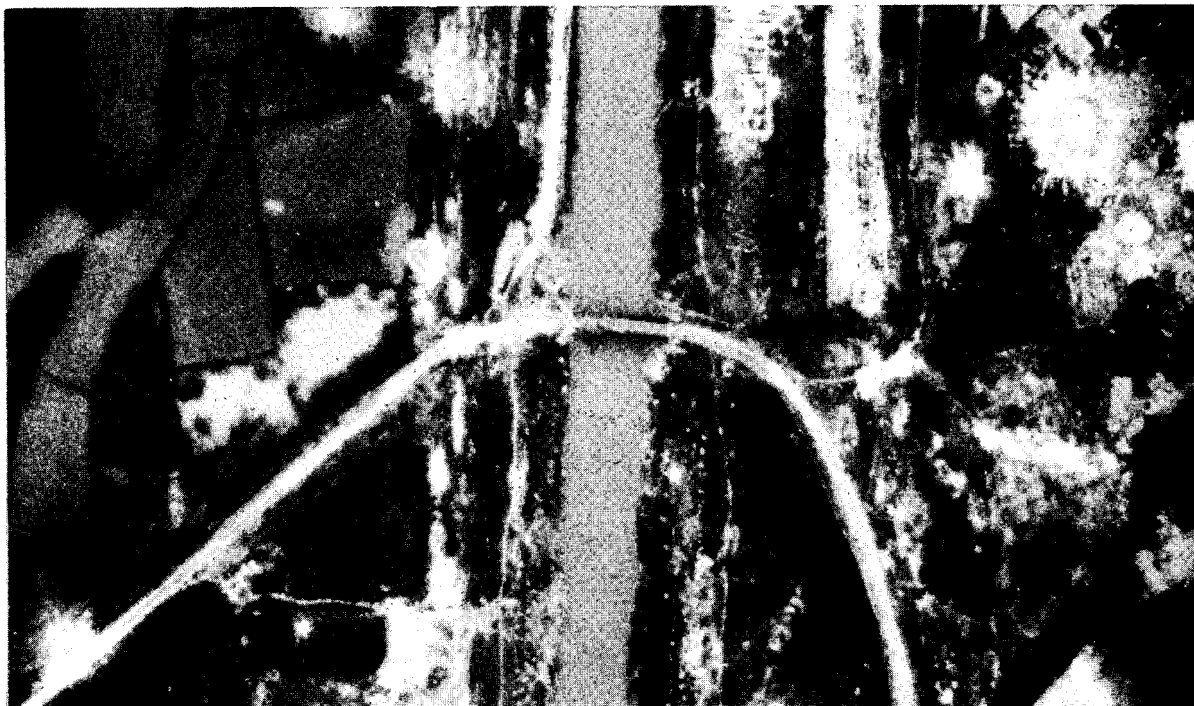
25X1

STATUS:

One approach span lightly damaged. Bridge probably serviceable.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

NAME

Phong Bai Hwy. Bridge
Bridge No. 30 on NE 48-3

COUNTRY

North Vietnam

COORDINATES

19 21N - 105 43E
WG 765 405

25X1

BRIEF NO:

PIB 65250
December 1965

MAP

AMS L509

NE 48-3

LOCATION:

0.4 nm W. of Phong Bai on Route 1A

DESCRIPTION:

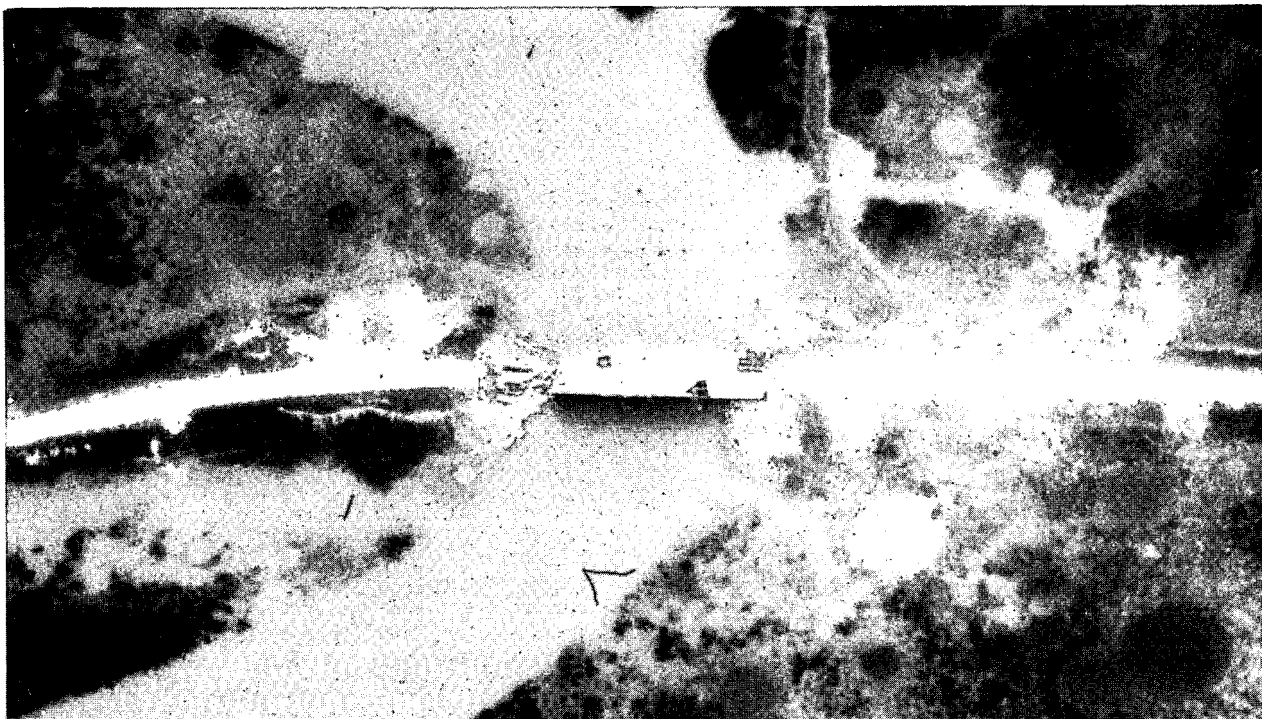
LENGTH 80' approx.
WIDTH 10' approx.
TYPE DeckMATERIAL Timber and Concrete
NO. OF SPANS 4
LENGTH OF EACH SPAN 20' approx.

STATUS:

Two spans destroyed. Minor deck damage to other two spans.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ban Khe Hwy. Bridge Bridge No. 19 on NE 48-2	North Vietnam	19 04N - 104 50E VG 823 079
25X1		BRIEF NO:
MAP AMS L509 NE 48-2		PIB 65251 December 1965

LOCATION: 0.4 nm N.E. of Ban Khe Chai on Route 7

DESCRIPTION:

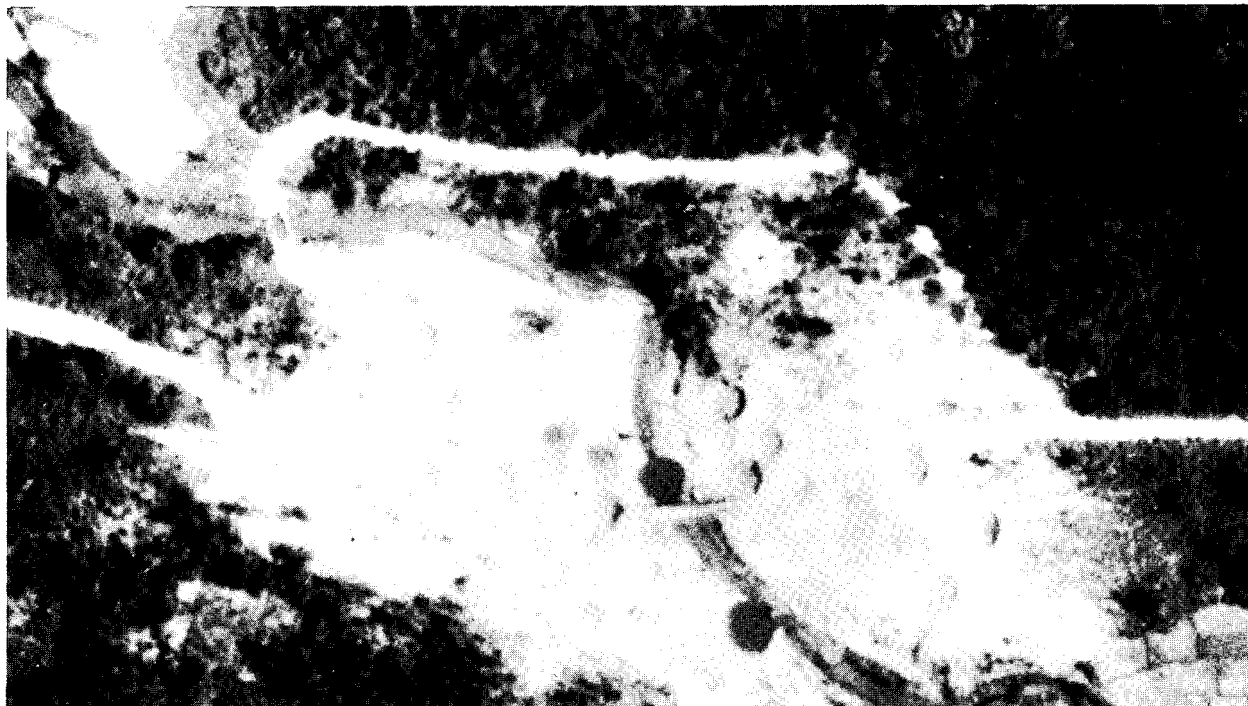
LENGTH	75' approx.	MATERIAL	Steel, wood, and concrete
WIDTH	10' approx.	NO. OF SPANS	1
TYPE	Half-through truss	LENGTH OF EACH SPAN	75' approx.

STATUS:

Span destroyed.

COMPENSATIVE ACTION:

Ford and by-pass road



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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ban Khe Chai Hwy. Bridge Bridge No. 19 on NE 48-2	North Vietnam	19 04N - 104 50E VG 825 079
		BRIEF NO:
		PIB 65252
MAP		December 1965
AMS L509 NE 48-2		

25X1

LOCATION: 0.4 nm N.E. of Ban Khe Chai on Route 7

DESCRIPTION:

LENGTH	75' approx.	MATERIAL	Steel and concrete
WIDTH	10' approx.	NO. OF SPANS	1
TYPE	Half-through truss	LENGTH OF EACH SPAN	75' approx.

STATUS:

Span completely destroyed, 1 abutment destroyed.

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ban Ta Vai Hwy. Bridge Bridge No. 19 on NE 48-10	North Vietnam	21 02N - 104 21E VJ 337 257
BRIEF NO:		
PIB 65253		
December 1965		

25X1

MAP AMS L509 NE 48-10

LOCATION: 0.5 nm S.W. of Ban Ta Vai on Route 6

DESCRIPTION:

LENGTH 180' approx.

MATERIAL Concrete

WIDTH

NO. OF SPANS 4

TYPE

Deck

LENGTH OF EACH SPAN

2 @ 55' approx.

2 @ 35' approx.

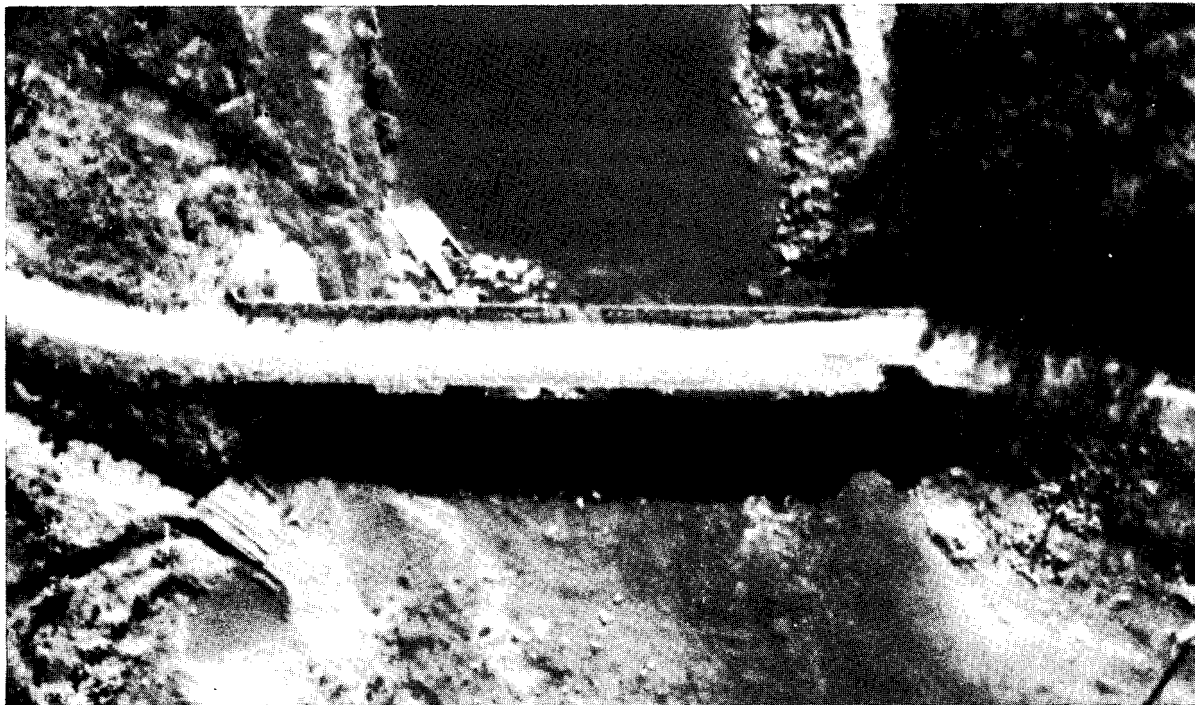
25X1

STATUS:

One pier destroyed. One 35' span severely damaged.

COMPENSATIVE ACTION:

Ford - bridge serviceable

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ban Na Tau Hwy. Bridge Bridge No. 1 on NF 48-5	North Vietnam	22 02N - 103 09E UK 108 386
25X1		BRIEF NO:
MAP AMS L509 NF 48-5		PIB 65254 December 1965

LOCATION: 0.4 nm S. of Ban Na Tau on Route 6

DESCRIPTION:

25X1	LENGTH	180' approx.	MATERIAL	Concrete
	WIDTH	<input type="text"/>	NO. OF SPANS	2
	TYPE	Through truss	LENGTH OF EACH SPAN	1 @ 70' approx. 1 @ 110' approx.

STATUS:

One abutment damaged. Both spans lightly damaged. Serviceable.

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ban Houei Giang Hwy. Bridge Bridge No. 13 on NE 48-2	North Vietnam	19 23N - 104 09E VG 107 450
25X1		BRIEF NO:
MAP AMS L509 NE 48-2		PTB 65255 December 1965

LOCATION: At Ban Houei Giang on Route 7

DESCRIPTION:

25X1

LENGTH
 WIDTH 10' approx.
 TYPE Deck

MATERIAL Wood
 NO. OF SPANS 5
 LENGTH OF EACH SPAN

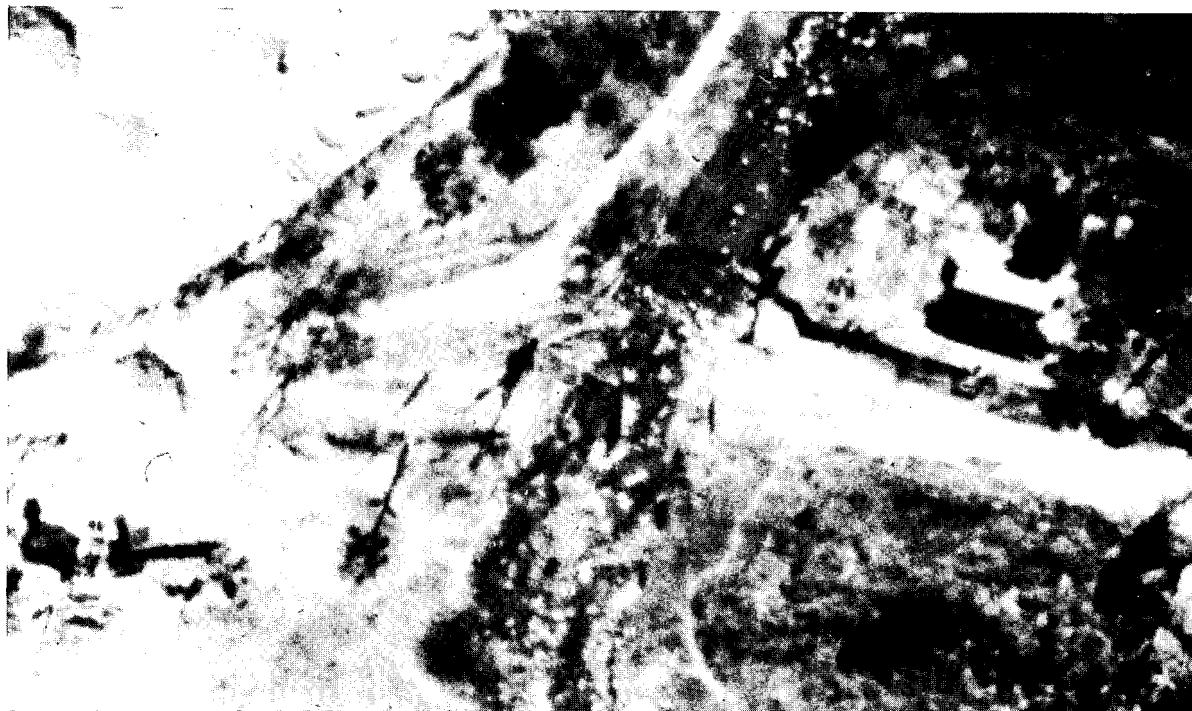
25X1

STATUS:

Completely destroyed

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Ban Pieng Hom Hwy. Bridge Bridge No. 3 on NE 48-2		COUNTRY North Vietnam	COORDINATES 19 21N - 104 13E VG 184 415
[REDACTED]		BRIEF NO: PTB 65256	
MAP	AMS L509	NE 48-2	December 1965

LOCATION: 1.0 nm N.W. of Ban Pieng Hom on Route 7

DESCRIPTION:

LENGTH 150' approx.
WIDTH 10' approx.
TYPE Deck

MATERIAL Concrete
NO. OF SPANS 3
LENGTH OF EACH SPAN 50' approx.

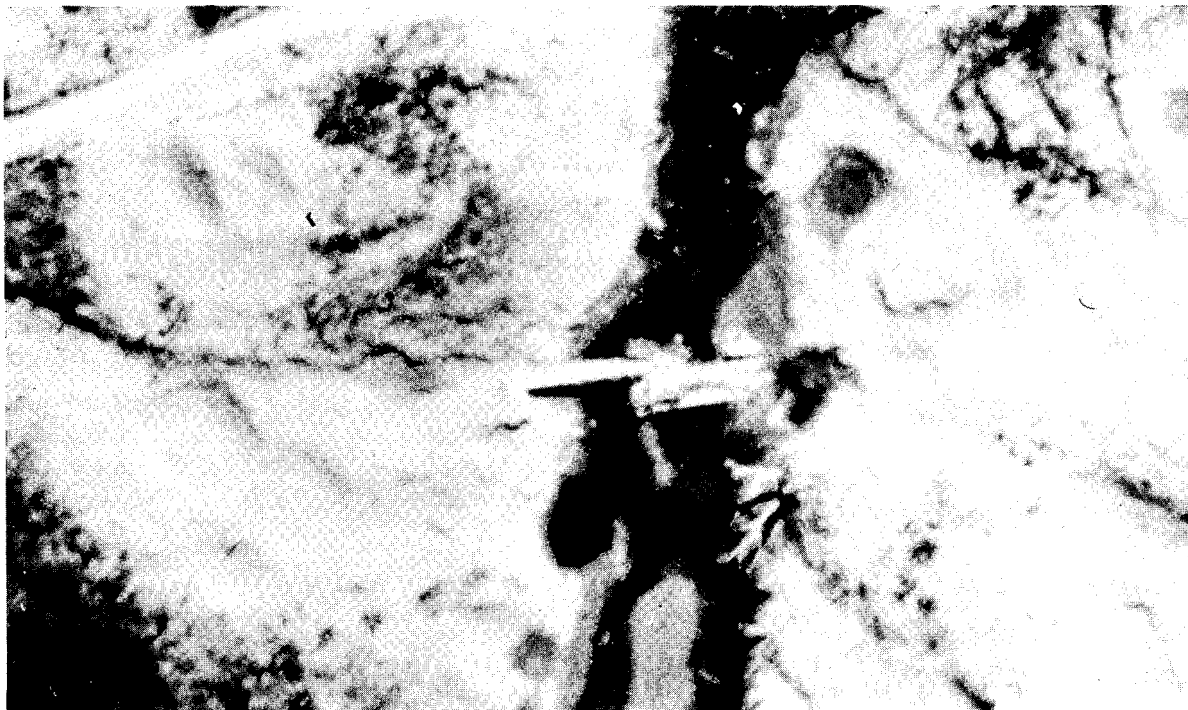
STATUS:

1 abutment destroyed. 1 span destroyed. 1 pier destroyed. 2 spans heavily damaged.

COMPENSATIVE ACTION:

Ford

25X1



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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Than Yen Hwy. Bridge Bridge No. 2 on NE 48-12	North Vietnam	17 38N - 106 31E XE 615 505
25X1 [REDACTED]		BRIEF NO: PIB 65257 December 1965
MAP	ASM L509 NE 48-12	

LOCATION: 0.5 nm S. of Than Yen on Route 1A

DESCRIPTION:

25X1

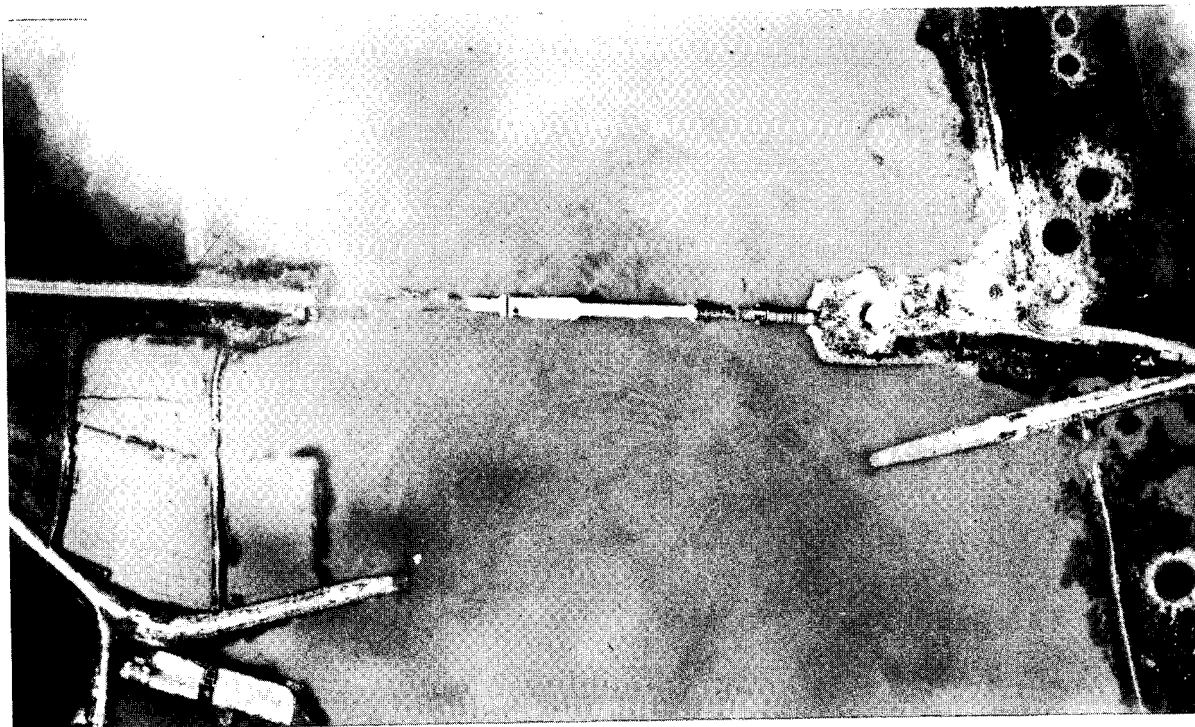
LENGTH	[REDACTED]	MATERIAL	Steel and concrete
WIDTH	15' approx.	NO. OF SPANS	8 (6 concrete deck, 2 steel truss)
TYPE	Deck and half through truss	LENGTH OF EACH SPAN	[REDACTED]

25X1

STATUS: 3 concrete spans destroyed. 2 steel truss spans damaged; 2 piers destroyed.

COMPENSATIVE ACTION: Ferry

25X1

[REDACTED]~~CONFIDENTIAL~~

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CIA IMAGERY ANALYSIS DIVISION

NAME Dia Dong Hwy. Bridge No. III Bridge No. 33 on NE 48-7		COUNTRY North Vietnam	COORDINATES 18 06N - 106 16E XF 349 028
[REDACTED]			BRIEF NO: PIB 65258 December 1965
MAP	AMS L509	NE 48-7	

LOCATION: 0.3 nm E. of Dia Dong on Route No.1

DESCRIPTION:

LENGTH 75' approx.
WIDTH 10' approx.
TYPE Deck

MATERIAL Concrete
NO. OF SPANS 2
LENGTH OF EACH SPAN 50' approx.

STATUS:

Bridge is 80% destroyed. Abutments appear intact.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Son Kinh Hwy. Bridge No. I Bridge No. 64 on NE 48-7	North Vietnam	18 11N - 106 11E XF 254 116
25X1 <input type="text"/>		BRIEF NO: PTB 65259 December 1965
MAP	AMS L509	NE 48-7

LOCATION: 0.1 nm E. of Son Kinh on Route 1A

DESCRIPTION:

LENGTH 60' approx.

WIDTH

TYPE

Deck

MATERIAL Wood

NO. OF SPANS 3

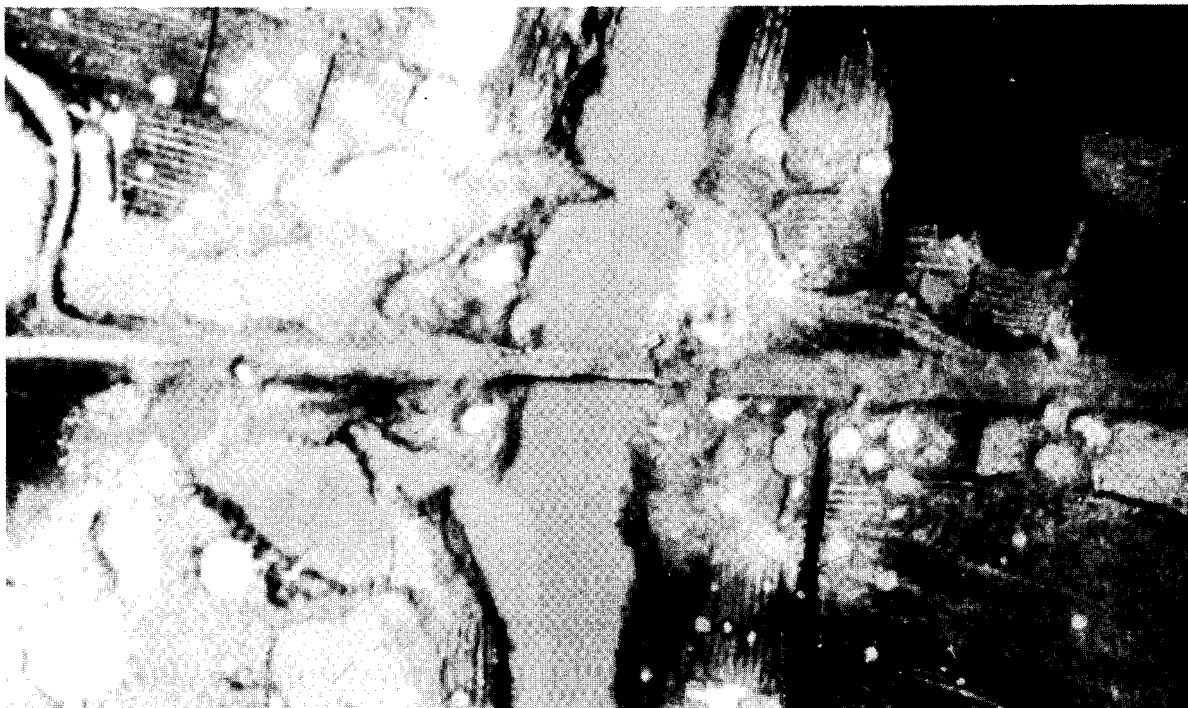
LENGTH OF EACH SPAN 20' approx.

STATUS:

Center span moderately damaged. One abutment heavily damaged.

COMPENSATIVE ACTION:

None

25X1 ~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Kim Nac Hwy. Bridge Bridge No. 23 on NE 48-7	North Vietnam	18 13N - 106 02E XF 100 155
[REDACTED]		BRIEF NO:
MAP AMS L509 NE 48-7		PIB 65260 November 1965

25X1

LOCATION: 0.3 nm N.E. of Kim Nac on Route 1A

DESCRIPTION:

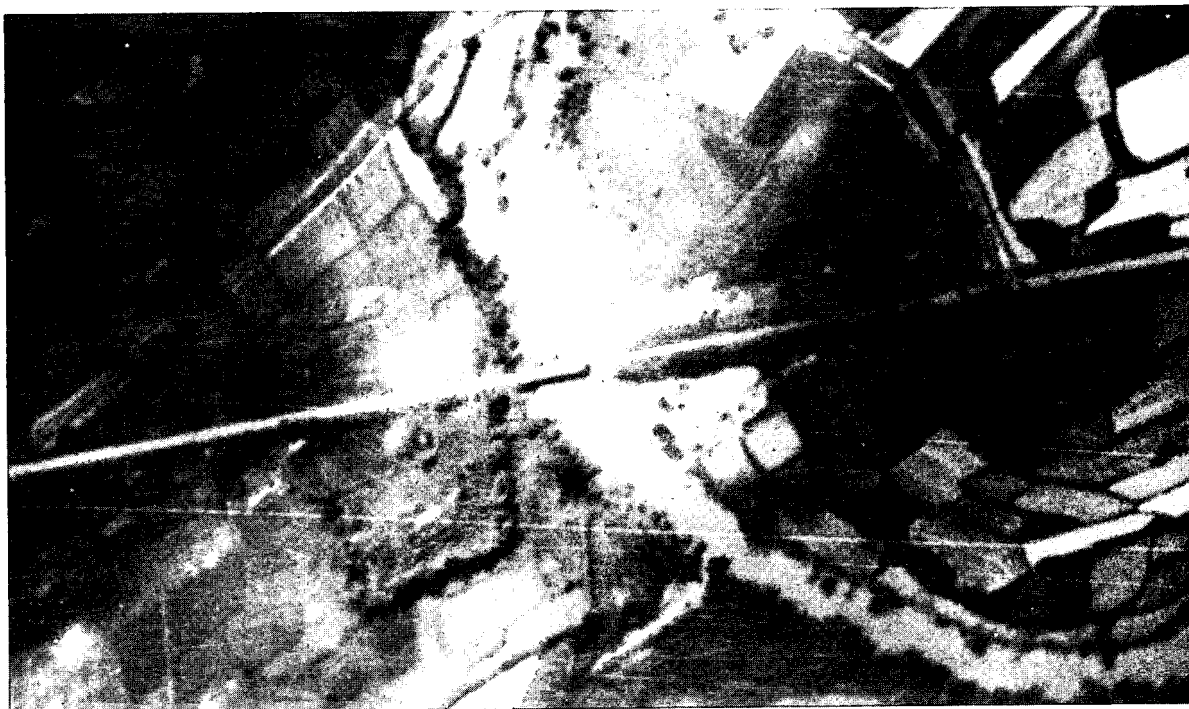
LENGTH 90' approx.
WIDTH 10' approx.
TYPE Deck

MATERIAL Probably masonry or concrete
NO. OF SPANS 2 probable
LENGTH OF EACH SPAN 45' approx.

STATUS: One span destroyed. One abutment heavily damaged.

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

NAME Trai Mo Hwy. Bridge Bridge No. 73 on NE 48-7		COUNTRY North Vietnam	COORDINATES 18 30N - 105 23E WF 408 457
25X1 [REDACTED]		BRIEF NO: PIB 65261 December 1965	
MAP	AMS L509	NE 48-7	

LOCATION: 0.5 nm S.W. of Trai Mo on Route 8

DESCRIPTION:

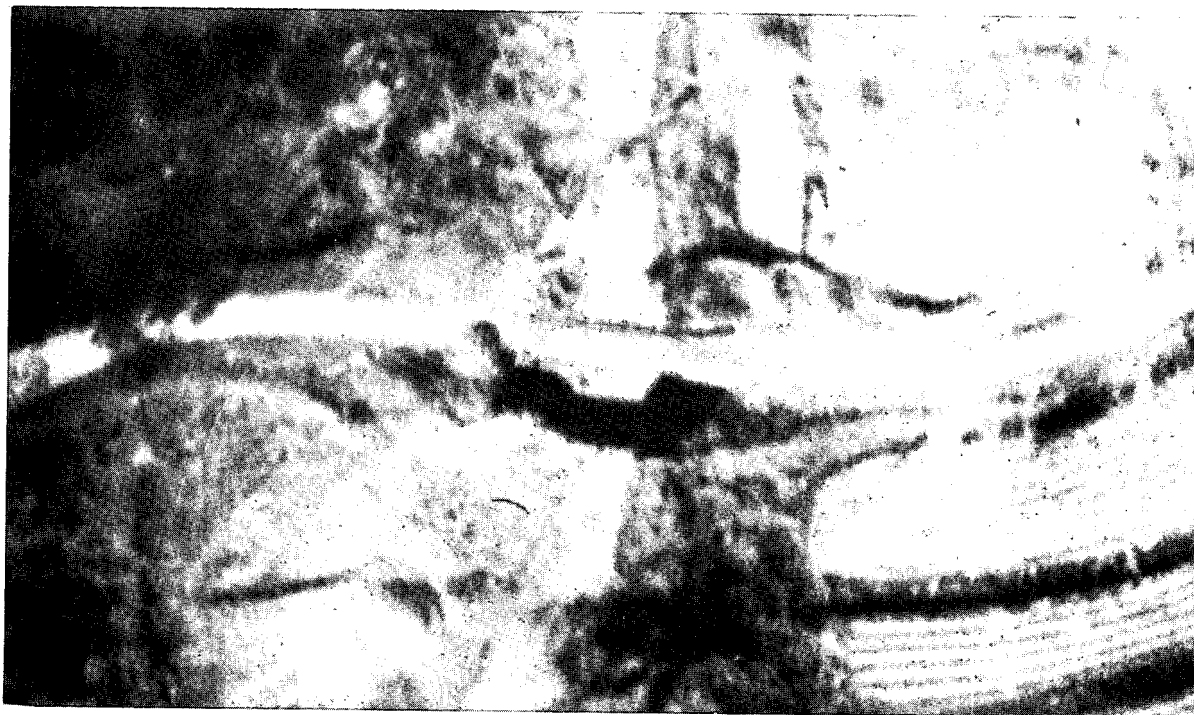
25X1	LENGTH	55' approx.	MATERIAL	Concrete
	WIDTH	[REDACTED]	NO. OF SPANS	1
	TYPE	Deck	LENGTH OF EACH SPAN	55' approx.

STATUS:

One abutment heavily damaged. End of deck damaged. Approach damaged.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

NAME Nhiep Xa Hwy. Bridge Bridge No. 77 on NE 48-7	COUNTRY North Vietnam	COORDINATES 18 23N - 105 50E WF 890 330
<div style="border: 1px solid black; height: 20px; width: 100%;"></div>		BRIEF NO: PIB 65262 December 1965
MAP AMS L509	NE 48-7	

LOCATION: 0.2 nm S. of Nhiep Xa on Route 1A

DESCRIPTION:

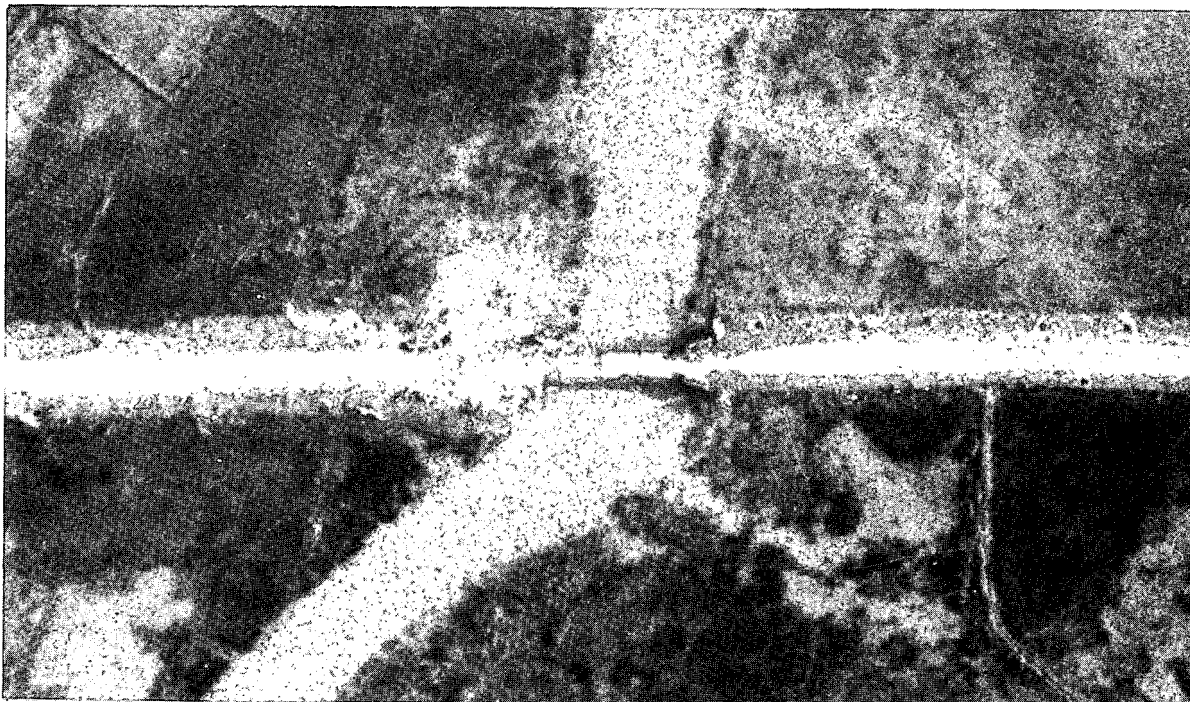
LENGTH 50' approx.
 WIDTH
 TYPE Deck

MATERIAL Concrete probable
 NO. OF SPANS 2
 LENGTH OF EACH SPAN 25' approx.

STATUS:

One span moderately damaged. One abutment moderately damaged.
 Bridge serviceable.

COMPENSATIVE ACTION: Repairs to existing bridge.

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CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Pho Hop RR. Bridge over Ngoi

COUNTRY

COORDINATES

Hop

Bridge No. 26 on NF 48-10

North Vietnam

21 49N - 104 45E

VK 752127

25X1

BRIEF NO:

PIB 65263

May 1966

MAP AMS L509 NF 48-10

LOCATION: 2.3 nm SW of Lang Dong on Hanoi-Lao Cai Rail Line.

DESCRIPTION:

LENGTH

80' approx.

MATERIAL Steel and concrete

WIDTH

NO. OF SPANS

1

TYPE

Half-through truss

LENGTH OF EACH SPAN

80' approx.

25X1

STATUS:

Span destroyed; abutments damaged.

COMPENSATIVE ACTION:

None.

25X1

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ban Mon Hwy. Bridge Bridge No. 22 on NE 48-2	North Vietnam	19 15N - 104 27E VG 434 293
BRIEF NO:		
PTB 65264		
December 1965		
MAP	AMS L509 NE 48-2	

LOCATION: 0.8 nm S.E. of Ban Mon on Route 7

DESCRIPTION:

LENGTH 50' approx.
 WIDTH
 TYPE Deck

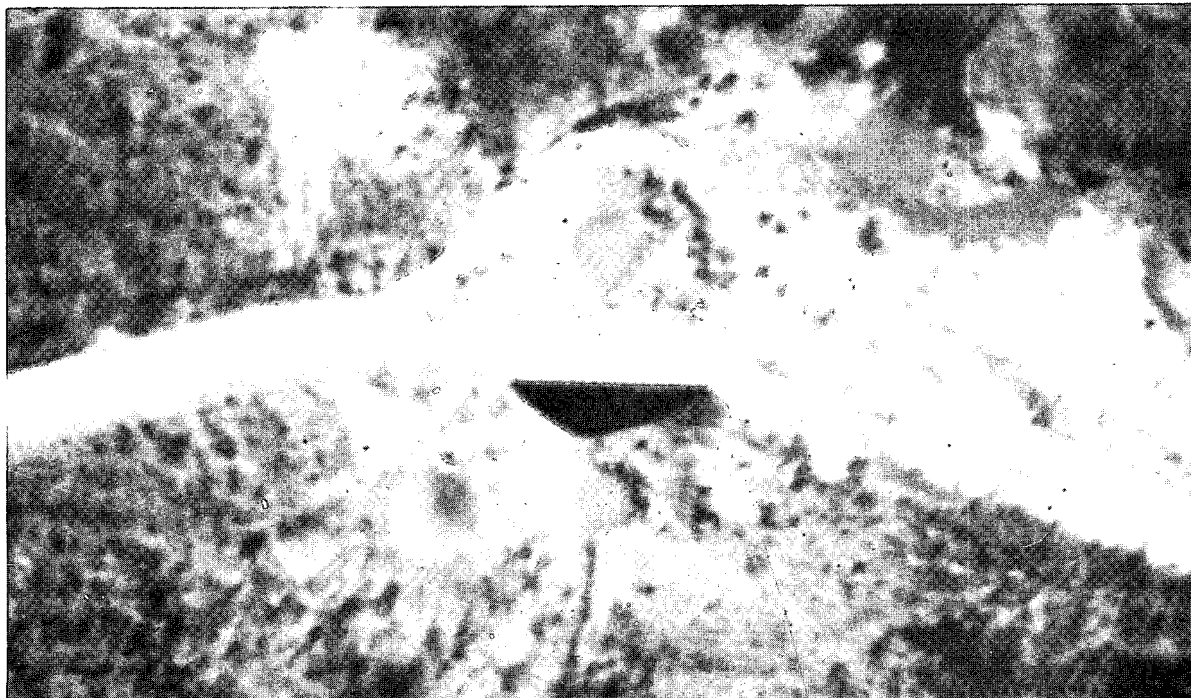
MATERIAL Concrete
 NO. OF SPANS 1
 LENGTH OF EACH SPAN 50' approx.

STATUS:

Guard rail slightly damaged.

COMPENSATIVE ACTION:

By-pass with culvert - bridge serviceable

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Khe Bo Hwy. Bridge Bridge No. 21 on NE 48-2	North Vietnam	19 08N - 104 41E VG 668 171
25X1		BRIEF NO: PIB 65265
MAP AMS 1509 NE 48-2		December 1965

LOCATION: 0.6 nm S.E. of Khe Bo on Route 7

DESCRIPTION:

LENGTH 50' approx.

WIDTH

TYPE

Deck

MATERIAL Concrete

NO. OF SPANS

1

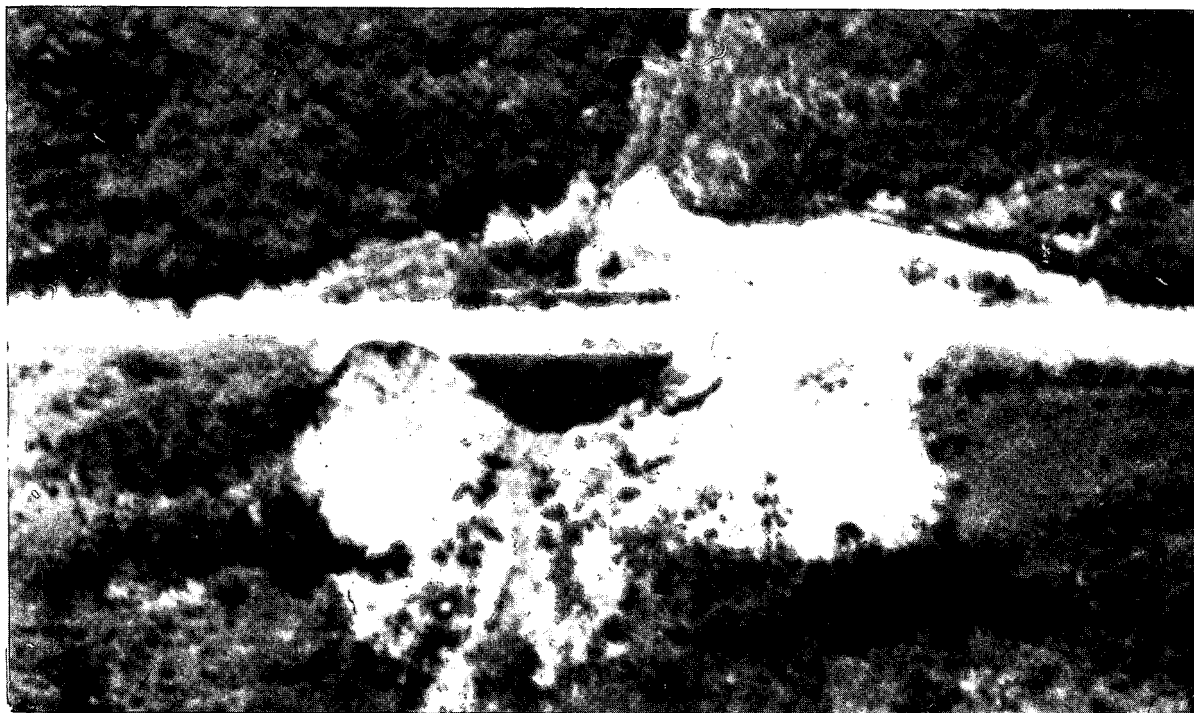
LENGTH OF EACH SPAN

50' approx.

STATUS:

Serviceable - (pre-strike)

COMPENSATIVE ACTION:

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CIA IMAGERY ANALYSIS DIVISION

NAME

Gia Ha Hwy. Bridge
 Bridge No. 36 on NE 48-3

COUNTRY

North Vietnam

COORDINATES

19 41N - 105 46E
 WG 820 762

25X1

BRIEF NO:

PIB 65266
 December 1965

MAP

AMS L509

NE 48-3

LOCATION:

0.7 nm E. of Gia Ha on an unnumbered route

DESCRIPTION:

LENGTH 60' approx.

WIDTH 10' approx.

TYPE Deck

MATERIAL Wood

NO. OF SPANS 2

LENGTH OF EACH SPAN 30' approx.

STATUS:

One span dropped. One abutment moderately damaged.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Truong Quang R.R. Bridge Bridge No. 37 on NE 48-3	North Vietnam	19 37N - 105 42E WG 736 696
		BRIEF NO:
		PIB 65267
		December 1965
MAP	AMS L509	NE 48-3

25X1

LOCATION: 1.2 nm E. of Truong Quang on the Hanoi-Vinh Railroad

DESCRIPTION:

25X1

LENGTH
 WIDTH Single Track
 TYPE Deck type girder

MATERIAL Steel
 NO. OF SPANS 3
 LENGTH OF EACH SPAN

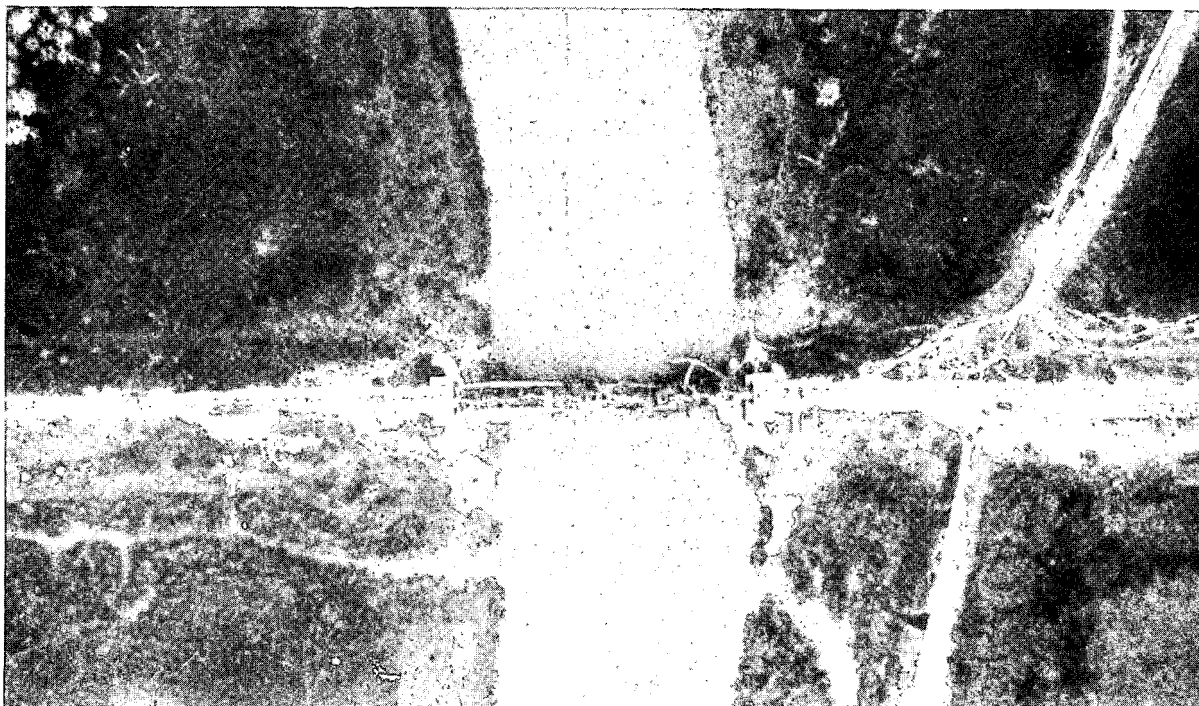
25X1

STATUS:

One span dropped. One span heavily damaged. Piers and abutments intact.

COMPENSATIVE ACTION:

By-pass bridge and rail approaches under construction.

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CIA IMAGERY ANALYSIS DIVISION

NAME Dong Huong R.R. Bridge Bridge No. 38 on NE 48-3	COUNTRY North Vietnam	COORDINATES 19 30N - 105 44E WG 770 579
MAP AMS L509 NE 48-3		BRIEF NO: PTB 65268 December 1965

25X1

LOCATION: 0.1 nm E. of Dong Huong on the Hanoi-Vinh Railroad

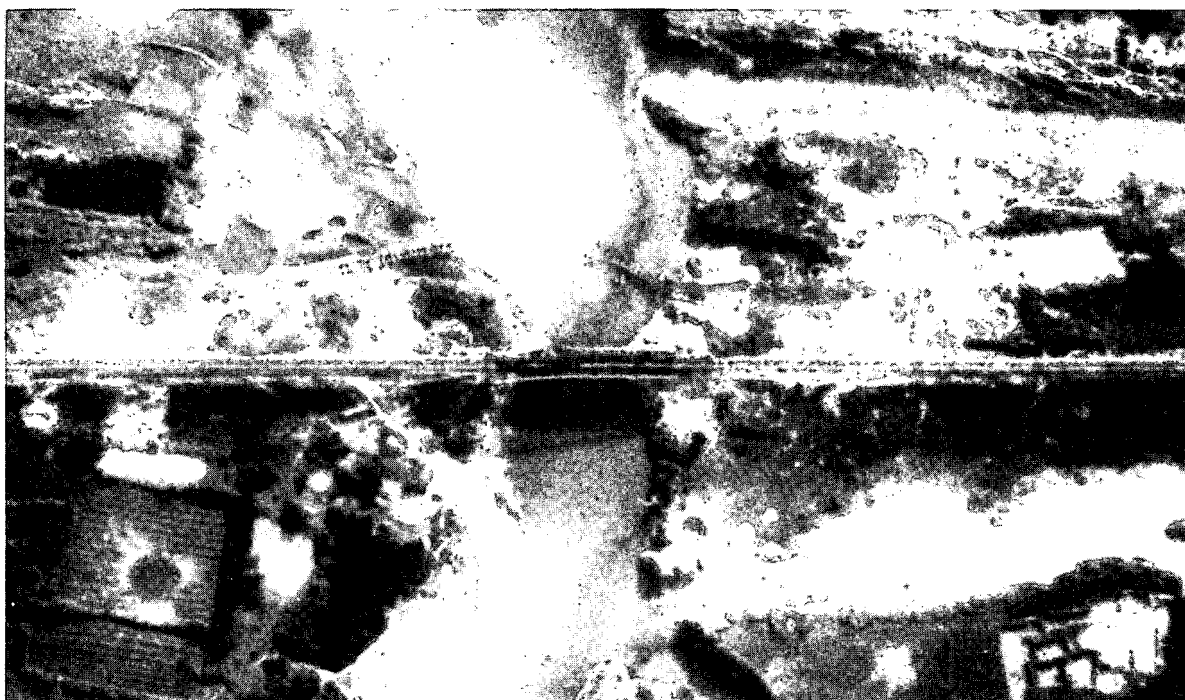
DESCRIPTION:

LENGTH	70' approx.	MATERIAL	Steel
WIDTH	Single Track	NO. OF SPANS	1
TYPE	Deck type girder	LENGTH OF EACH SPAN	70' approx.

STATUS:

Span moderately damaged, and slightly out of alignment. Abutments intact.

COMPENSATIVE ACTION: Bridge under repair. Possible temporary pier being constructed.

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CIA IMAGERY ANALYSIS DIVISION

NAME

Tho Son Hwy. Bridge
Bridge No. 17 on NE 48-7

COUNTRY

North Vietnam

COORDINATES

18 27N - 105 46E
WF 820 405

25X1

BRIEF NO:

PIB 65269
December 1965

MAP

AMS L509 NE 48-7

LOCATION:

0.6 nm E. of Tho Son on Route 1A

DESCRIPTION:

LENGTH

220' approx.

MATERIAL

Wood

WIDTH

NO. OF SPANS

7 spans

TYPE

Deck

LENGTH OF EACH SPAN

5 spans - 40' approx.
2 spans - 10' approx.

25X1

STATUS:

1 span destroyed, 2 spans damaged

COMPENSATIVE ACTION: Pontoon bridge

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Phuc Due Hwy. Bridge Bridge No. 78 on NE 48-7	North Vietnam	18 55N - 105 26E WF 460 925
		BRIEF NO:
		PTB 65270
MAP	AMS L509	NE 48-7
		December 1965

25X1

LOCATION: 0.8 nm W. of Phuc Due on an unnumbered route off Route 7

DESCRIPTION:

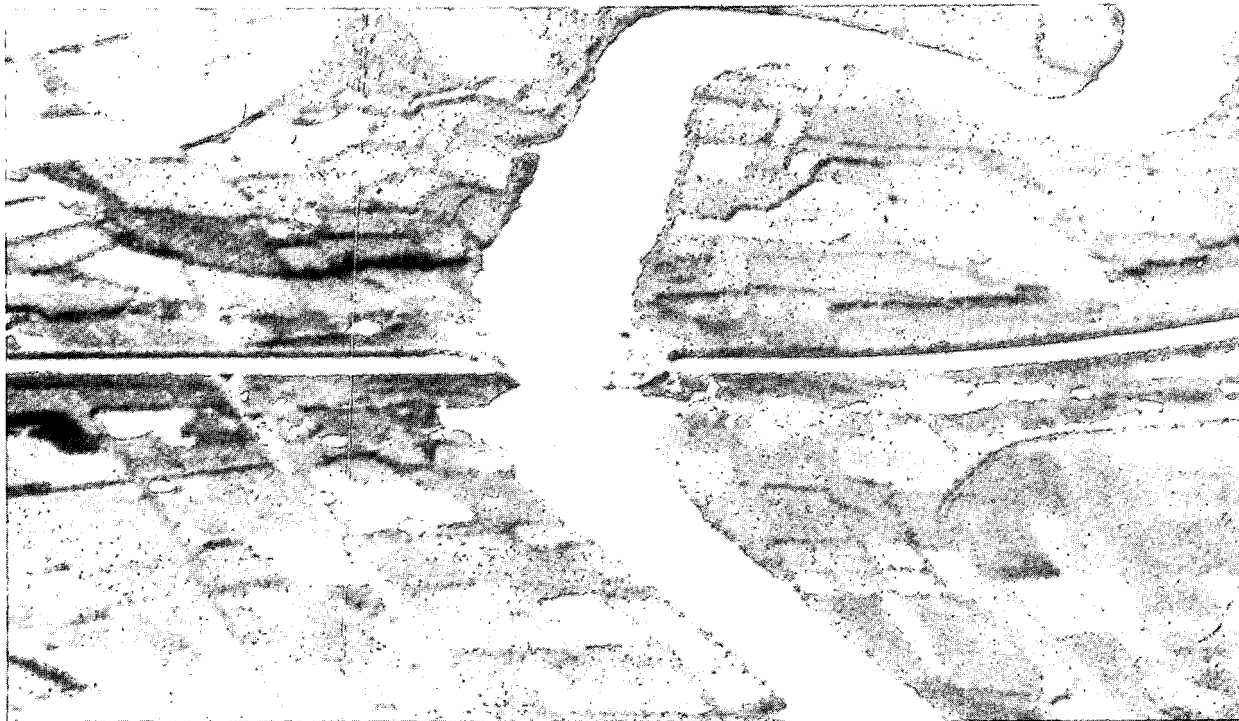
LENGTH 180' approx.
WIDTH Undetermined
TYPE Deck

MATERIAL Concrete & Steel probable
NO. OF SPANS 3
LENGTH OF EACH SPAN 60' approx.

STATUS: 1 span destroyed.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Phuong Tich Hwy. Bridge Bridge No. 79 on NE 48-7	North Vietnam	18 48N - 105 37E WF 649 789
		BRIEF NO:
MAP AMS L509 NE 48-7		PIB 65271
LOCATION:		December 1965

25X1

0.2' nm W. of Phuong Tich on an unnumbered route

DESCRIPTION:

LENGTH

WIDTH

TYPE

10' approx.
Deck

MATERIAL

Wood

NO. OF SPANS

15' approx.

LENGTH OF EACH SPAN

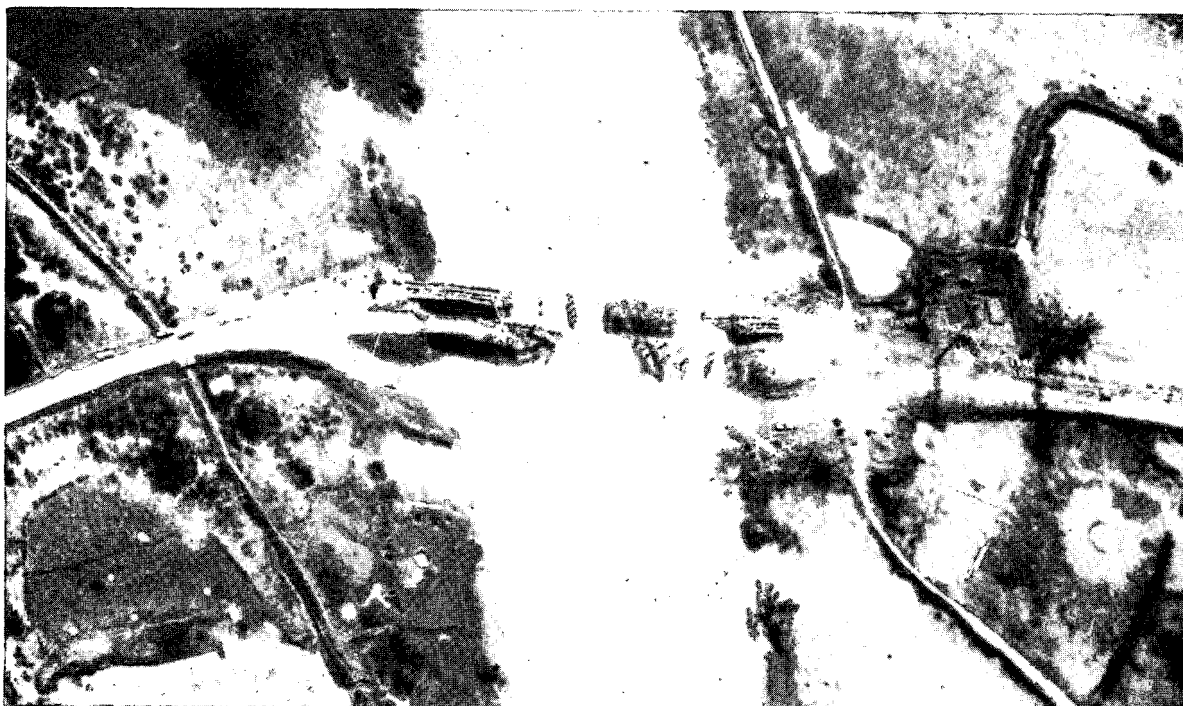
25X1

STATUS:

9 spans destroyed. Two spans severely damaged. 4 wooden piers destroyed. 7 wooden piers severely damaged. One abutment moderately damaged.

COMPENSATIVE ACTION:

Attempted construction of a 15-20 span, 200' wood, trestle bridge, adjacent to the old bridge. This was also bombed and rendered unserviceable.

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Xom Nuoc Nang R.R. Bridge Bridge No. 2 on NF 48-10	North Vietnam	21 54N - 104 39E VK 647 235
		BRIEF NO:
		PIB 65272
MAP AMS L509 NF 48-10		December 1965

25X1

LOCATION:

1.8 nm E. of Xom Nuoc Nang on the Hanoi-Lao Cai Rail Line

DESCRIPTION:

LENGTH	<input type="text"/>	MATERIAL	Wood
WIDTH	5' approx.	NO. OF SPANS	3
TYPE	Deck type probable beam.	LENGTH OF EACH SPAN	<input type="text"/>

25X1

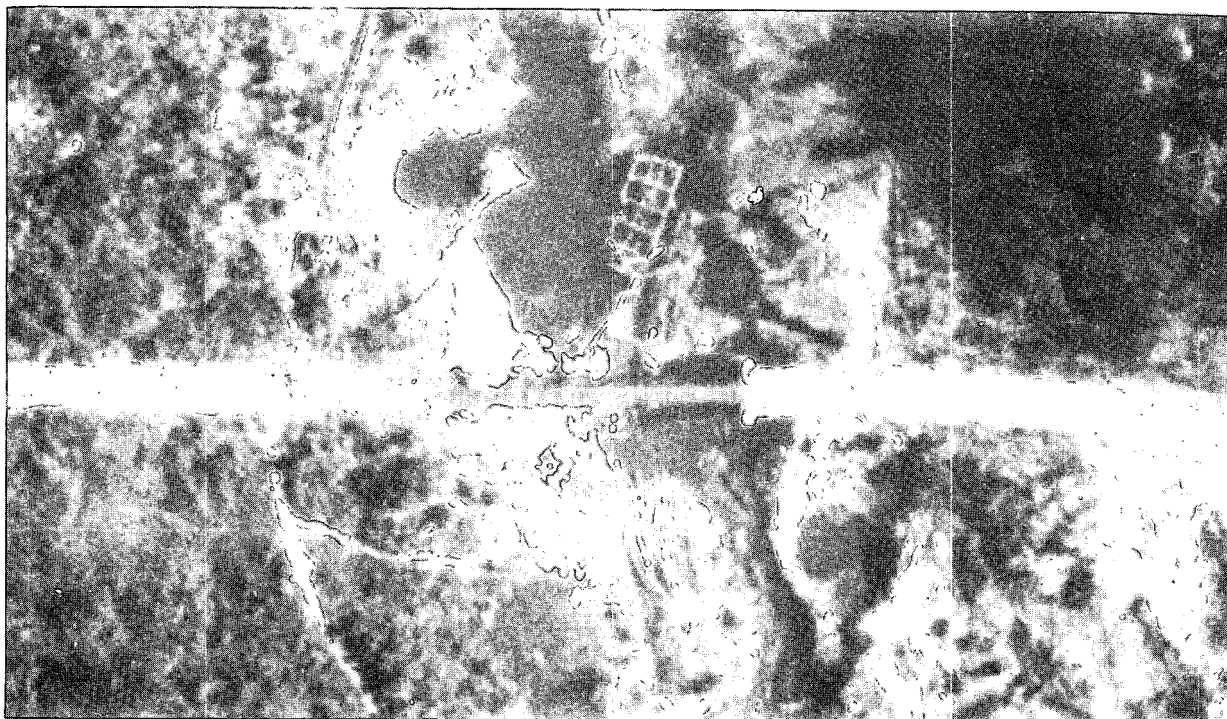
25X1

STATUS:

New bridge built to replace the destroyed wood trestle bridge. Bridge appears complete, but new track does not seem to have been laid yet.

COMPENSATIVE ACTION:

25X1

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CIA IMAGERY ANALYSIS DIVISION

NAME Bong Thon R.R. Bridge Bridge No. 2 on NE 48-3		COUNTRY North Vietnam	COORDINATES 19 32N - 105 42E WG 742 599
MAP AMS L509		NE 48-3	BRIEF NO: PIB 65273 December 1965

25X1

LOCATION: 0.5 nm S. of Bong Thon on the Hanoi-Vinh Railroad

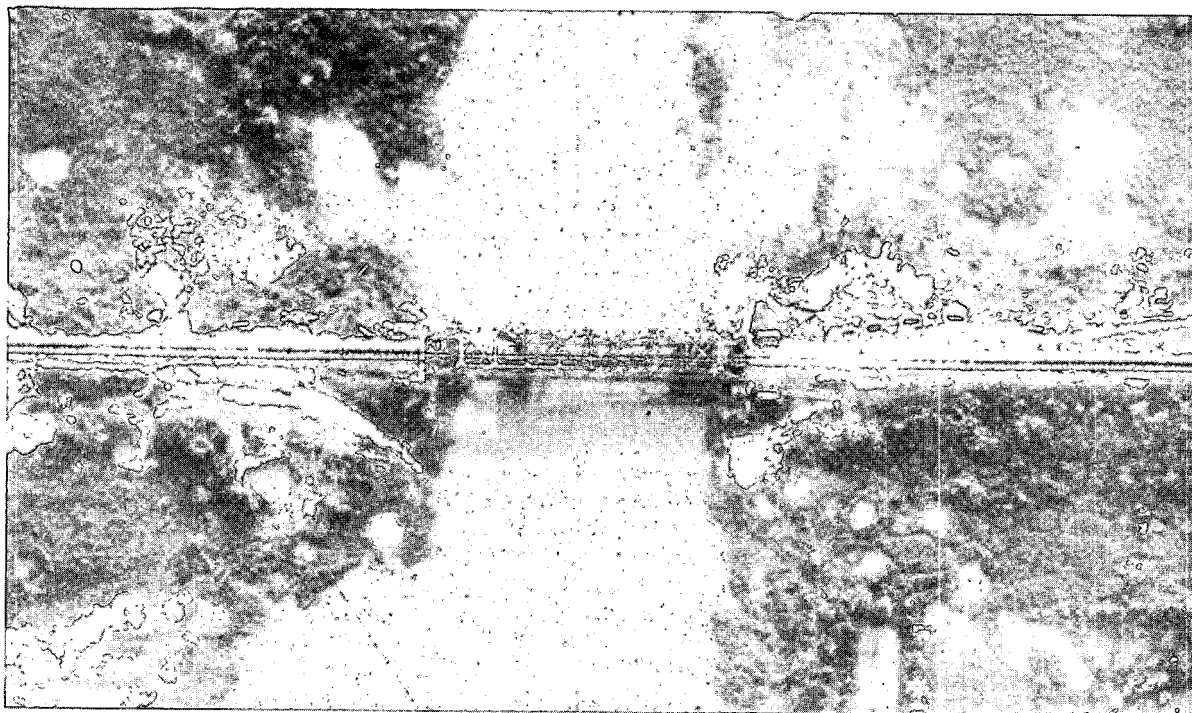
DESCRIPTION:

LENGTH	100' approx.	MATERIAL	Steel
WIDTH	Single track	NO. OF SPANS	2
TYPE	Through-truss	LENGTH OF EACH SPAN	1 @ 25' approx. 1 @ 75' approx.

STATUS:

Approximately 15% of the truss has been heavily damaged. Bridge is serviceable.

COMPENSATIVE ACTION: Repairs on existing bridge.

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Lang Bo R.R. Bridge Bridge No. 4 on NF 48-6	North Vietnam	22 06N - 104 26E VK 420 442
<div data-bbox="76 434 162 468" data-label="Text">25X1</div>		BRIEF NO:
<div data-bbox="214 489 656 518" data-label="Text">MAP AMS L509 NF 48-6</div>		PIB 65274 December 1965

LOCATION: 3.0 nm W. of Lang Bo on the Hanoi-Lao Cai Rail Line

DESCRIPTION:

LENGTH 60' approx.

MATERIAL Wood and concrete

WIDTH

NO. OF SPANS 2

TYPE

Deck type beam

LENGTH OF EACH SPAN

1 @ 40', 1 @ 20'

25X1

STATUS:

A serviceable replacement deck-type wood beam bridge supported by a wooden lattice tower and the old concrete abutments of the destroyed steel bridge.

COMPENSATIVE ACTION:

25X1

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CIA IMAGERY ANALYSIS DIVISION

NAME

Lang Kon R.R. Bridge
Bridge No. 10 on NF 48-6

COUNTRY

North Vietnam

COORDINATES

22 04N - 104 28E
VK 455 412

25X1

BRIEF NO:

PIB 65275
December 1965

MAP

AMS L509 NF 48-6

LOCATION:

0.7 nm N.E. of Lang Kon on the Hanoi-Lao Cai Rail Line

DESCRIPTION:

LENGTH 70' approx.

WIDTH

TYPE

Deck girder

MATERIAL

Steel and Concrete

NO. OF SPANS

2

LENGTH OF EACH SPAN

35' approx.

25X1

STATUS:

Bomb damage to deck has been repaired. Bridge is now serviceable.

COMPENSATIVE ACTION:

None

25X1

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CIA IMAGERY ANALYSIS DIVISION

NAME

Ky Dong R.R. Bridge
Bridge No. 8 on NF 48-6

COUNTRY

North Vietnam

COORDINATES

22 01N - 104 31E
VK 509 362

25X1

BRIEF NO:

PTB 65276
December 1965

MAP

AMS L509 NF 48-6

LOCATION:

1.8 nm S.W. of Ky Dong on the Hanoi-Lao Cai Rail Line

DESCRIPTION:

LENGTH

135' approx.

WIDTH

TYPE

Deck

25X1

MATERIAL

Timber and possible steel

NO. OF SPANS

3

LENGTH OF EACH SPAN

1 @ 90' approx.
1 @ 30' approx.
1 @ 15' approx.

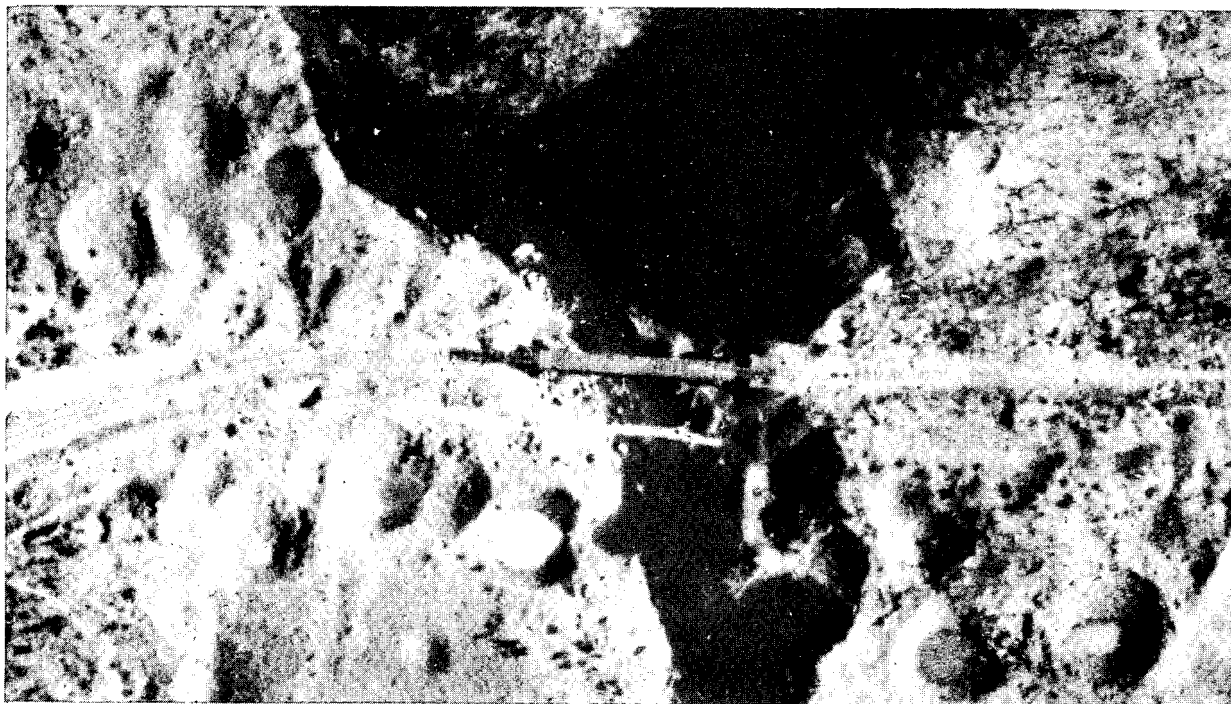
STATUS:

New bridge believed to be built over the
old truss. Track laid on the bridge.

Approaches are serviceable.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

NAME

L. Ngoi Nieou R.R. Bridge
Bridge No. 9 on NF 48-6

COUNTRY

North Vietnam

COORDINATES

22 02N - 104 30E
VK 490 373

25X1

BRIEF NO:

PIB 65277
December 1965

MAP

AMS L509

NF 48-6

LOCATION:

0.7 nm E. of L. Ngoi Nieou on the Hanoi-Lao Cai Rail Line

DESCRIPTION:

LENGTH 60' approx.

WIDTH Unknown

TYPE Deck probable

MATERIAL Timber

NO. OF SPANS 2

LENGTH OF EACH SPAN 30' approx.

STATUS:

New bridge under construction. Construction equipment seen in the immediate area.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Chom La Hwy. Bridge Bridge No. 6 on NF 48-15	North Vietnam	20 06N - 105 34E WH 600 235
		BRIEF NO: PIB 65278 December 1965
MAP	AMS L509 NF 48-15	

25X1

LOCATION: 0.5 nm S.E. of Chom La on Route 119

DESCRIPTION:

LENGTH 120' approx.
 WIDTH 10' approx.
 TYPE Deck probable

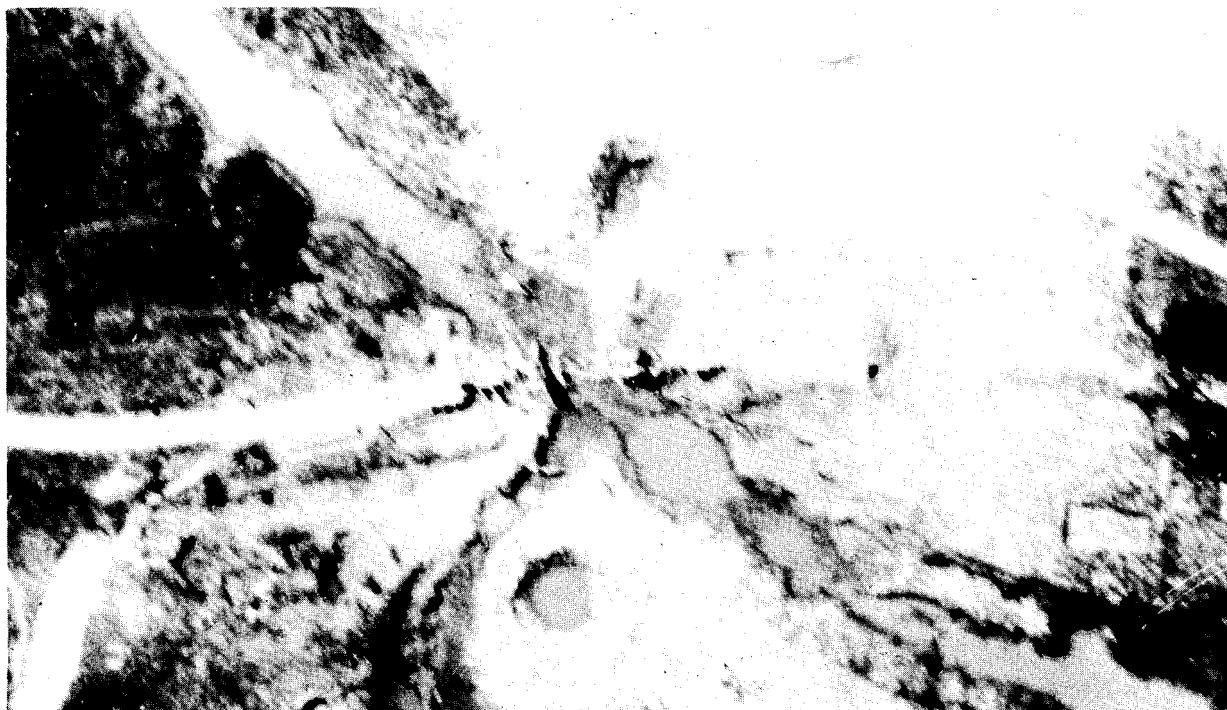
MATERIAL Timber
 NO. OF SPANS 3 probable
 LENGTH OF EACH SPAN 2 @ 35' approx.
 1 @ 50' approx.

STATUS:

Destroyed

COMPENSATIVE ACTION:

Probable dirt fill and culvert by-pass.

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Thach Lu Hwy. Bridge Bridge No. 7 on NF 48-15	North Vietnam	20 18N - 105 18E WH 320 439
		BRIEF NO:
MAP AMS L509 NF 48-15		PIB 65279 December 1965

25X1

LOCATION: 0.3 nm S.E. of Thach Lu on Route 119

DESCRIPTION:

LENGTH 60' approx.
WIDTH 10' approx.
TYPE Deck

MATERIAL Timber with concrete pier
NO. OF SPANS 2
LENGTH OF EACH SPAN 30' approx.

STATUS:

1 span dropped. 1 span lightly damaged.

COMPENSATIVE ACTION:

Ford. There also appears to be a rubble Fill over the dropped span, possibly in an effort to make the existing bridge serviceable.



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CIA IMAGERY ANALYSIS DIVISION

25X1

25X1

NAME	COUNTRY	COORDINATES
Cao Nung Railroad Bridge over Song Hoa <input type="text"/>	North Vietnam	21 33N - 106 29E XJ 554 845
		BRIEF NO:
MAP AMS L509 NF 48-12		PIB-65280 December 1965

LOCATION: 0.4 nm SE of Cao Nung on the Hanoi-Dong Dang R.R.

DESCRIPTION:

25X1

LENGTH 175' approx.
WIDTH
TYPE Deck

MATERIAL Steel, timber, concrete
NO. OF SPANS 3
LENGTH OF EACH SPAN 1 span @ 60' approx.
1 span @ 45' approx.
1 span @ 70' approx.

STATUS:

The 60' and 45' spans have been
destroyed.

COMPENSATIVE ACTION:

None



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CIA IMAGERY ANALYSIS DIVISION

NAME Lang Dang Hwy. Bridge Bridge No. 3 on NF 48-12	COUNTRY NORTH VIETNAM	COORDINATES 21 39N - 106 35E XJ 646 959
<div style="border: 1px solid black; height: 20px; width: 100%;"></div>		BRIEF NO: PIB-65281 December 1965
MAP AMS L509 NF 48-12		

25X1

LOCATION: 0.2 nm NW of Lang Dang on Route 1A

DESCRIPTION:

LENGTH 50' approx.

WIDTH

TYPE Deck

MATERIAL Concrete

NO. OF SPANS 2

LENGTH OF EACH SPAN 25' approx.

25X1

STATUS: 1 span destroyed

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

25X1

25X1

NAME Son La Highway Bridge Central Over Nam La		COUNTRY North Vietnam	COORDINATES 21 19N - 103 54E
MAP AMS L509 NF 48-10			BRIEF NO: PIB-65282 December 1965

LOCATION: At Son La on Route 6

DESCRIPTION:

LENGTH 60' approx
WIDTH 10' approx
TYPE Deck

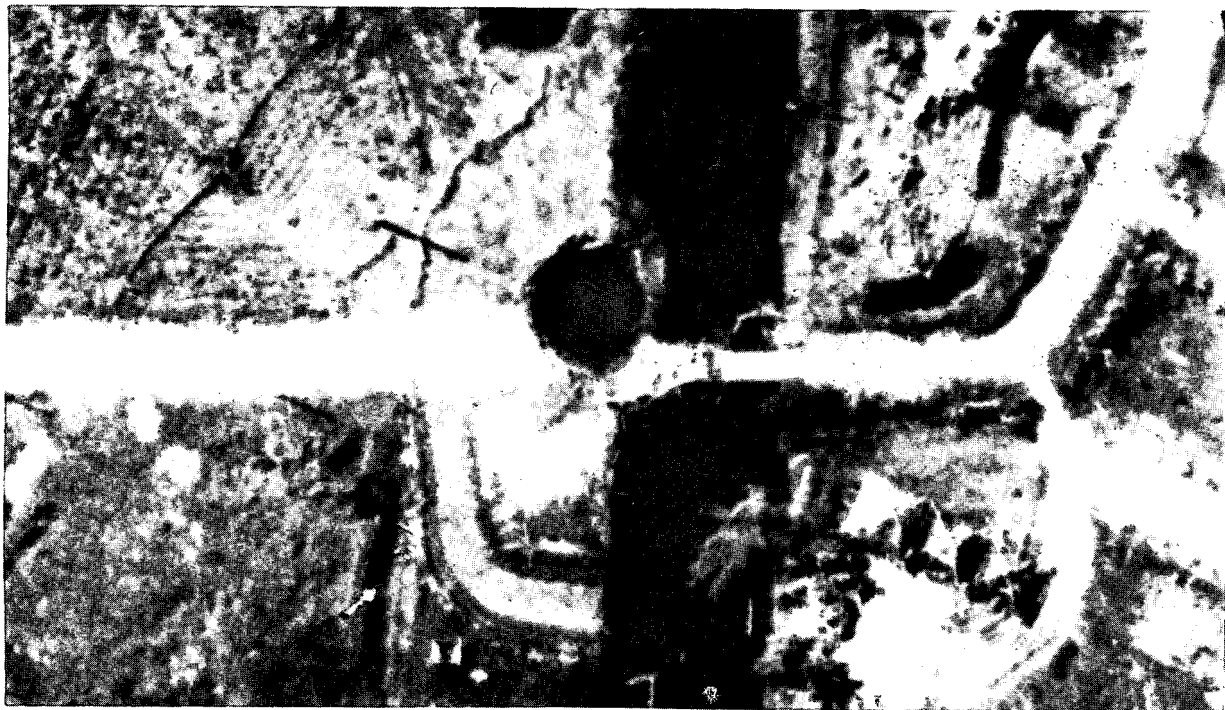
MATERIAL Timber
NO. OF SPANS 6
LENGTH OF EACH SPAN 10' approx

STATUS:

Severe damage to one abutment. Two spans destroyed. Two spans severely damaged.

COMPENSATIVE ACTION:

None



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CIA IMAGERY ANALYSIS DIVISION

NAME Phu Le Hwy. Bridge Bridge No. 5 on NF 48-15	COUNTRY North Vietnam	COORDINATES 20 32N - 105 01E WH 025 707
25X1 MAP AMS L509 NF 48-15		BRIEF NO: PIB-65283 December 1965

LOCATION: 0.1 S of Phu Le on Route 15

DESCRIPTION:

25X1
 LENGTH
 WIDTH
 TYPE

Deck

MATERIAL Steel & Concrete

NO. OF SPANS 1

LENGTH OF EACH SPAN

25X1

STATUS: Bridge completely destroyed. Trusswork is lying in river bed.

COMPENSATIVE ACTION:

Ford.



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CIA IMAGERY ANALYSIS DIVISION

NAME Ban Hin Lam Hwy. Bridge Bridge No. 20 On NF 48-9	COUNTRY North Vietnam	COORDINATES 21 25N - 103 03E TJ 978 703
<div data-bbox="66 436 152 470" data-label="Text">25X1</div> <div data-bbox="162 426 1089 489" data-label="Form"> <div></div> </div>		<div data-bbox="1110 426 1451 516" data-label="Form"> <div>BRIEF NO: PIB 65284 January 1966</div> </div>
<div data-bbox="183 485 1089 516" data-label="Form"> <div>MAP AMS L509 NF 48-9</div> </div>		

LOCATION: 1.0 nm N.E. of Ban Hin Lam on Route 19

DESCRIPTION:

LENGTH 20' approx.

25X1

WIDTH

 TYPE Deck

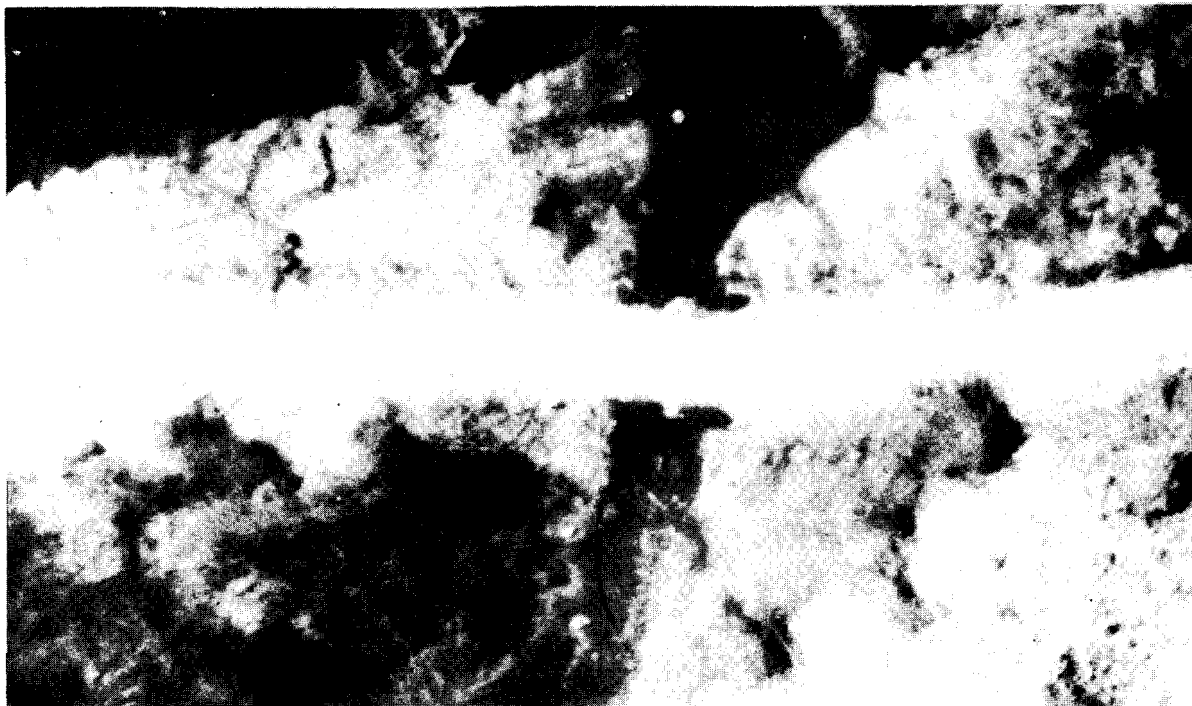
MATERIAL Concrete
 NO. OF SPANS 2
 LENGTH OF EACH SPAN 10' approx.

STATUS:

Superficial damage to deck. Probably serviceable.

COMPENSATIVE ACTION:

None



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CIA IMAGERY ANALYSIS DIVISION

25X1 NAME Dinh Thi Hwy. Bridge SE No. 1 COUNTRY COORDINATES
on stream 19 00N - 105 29E
Bridge No. 39 on NE 48-3 North Vietnam WG 510 023

25X1 BRIEF NO:
PIB 65285
January 1966

MAP AMS L509 NE 48-3

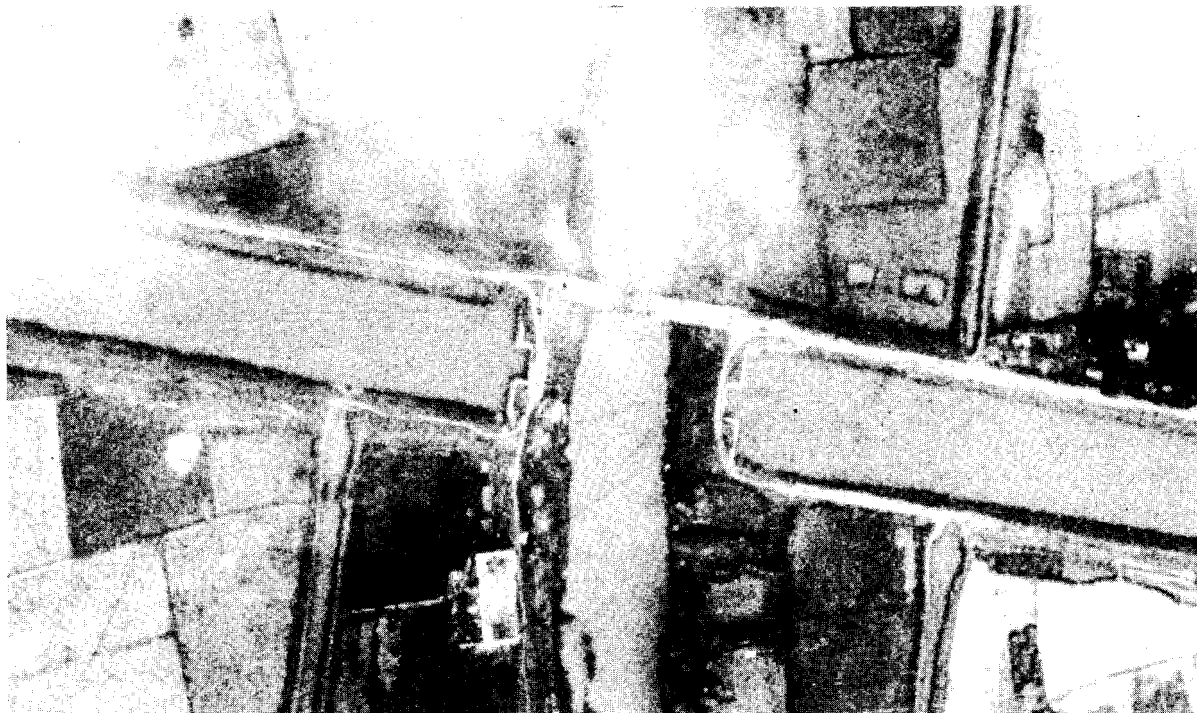
LOCATION: 0.2 nm S. of Dinh Thi on an unnumbered trail

DESCRIPTION:

25X1 LENGTH 60' approx. MATERIAL Wood probable
WIDTH NO. OF SPANS 2
TYPE Deck LENGTH OF EACH SPAN 30' approx.

STATUS: Both spans dropped. One pier destroyed.

COMPENSATIVE ACTION: None

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25X1

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Dinh Thi Hwy. Bridge SE No. 2	COUNTRY		COORDINATES
	on stream	<input type="text"/>			19 00N - 105 28E
25X1	Bridge No.	40 on NE 48-3	North Vietnam		WG 505 020
		<input type="text"/>			BRIEF NO:
	MAP	AMS L509	NE 48-3		PIB 65287
					January 1966

LOCATION: 0.5 nm S.E. of Phu My on an unnumbered trail

DESCRIPTION:

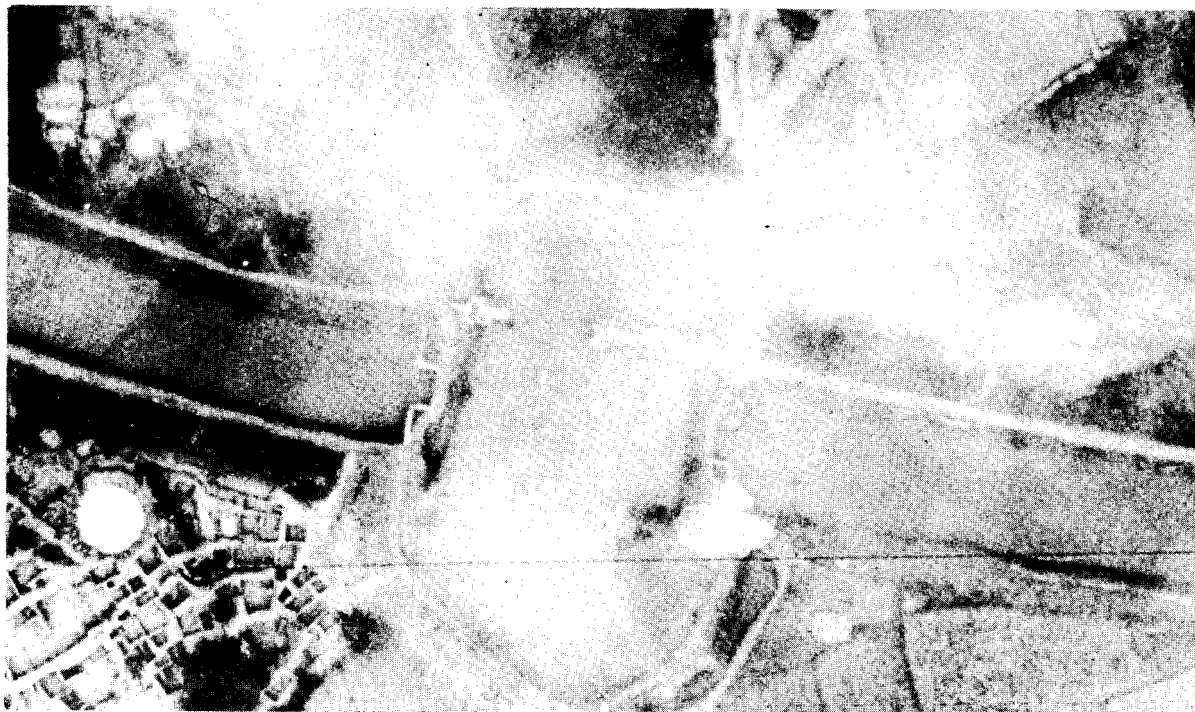
25X1	LENGTH	80' approx.	MATERIAL	Concrete probable
	WIDTH	<input type="text"/>	NO. OF SPANS	2
	TYPE	Deck	LENGTH OF EACH SPAN	40' approx.

STATUS:

One span dropped.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Thai Nguyen Hwy. Bridge on
Song Cau [REDACTED]
Bridge No. 6 on NF 48-11

COUNTRY
North Vietnam

COORDINATES
21 35N - 105 50E
WJ 870 883

25X1

[REDACTED]
MAP AMS L509 NF 48-11

BRIEF NO:
PIB - 65288
January 1966

LOCATION: 0.1 nm N. of Thai Nguyen on Route 1B

DESCRIPTION:

25X1

LENGTH
WIDTH
TYPE

[REDACTED]
Deck

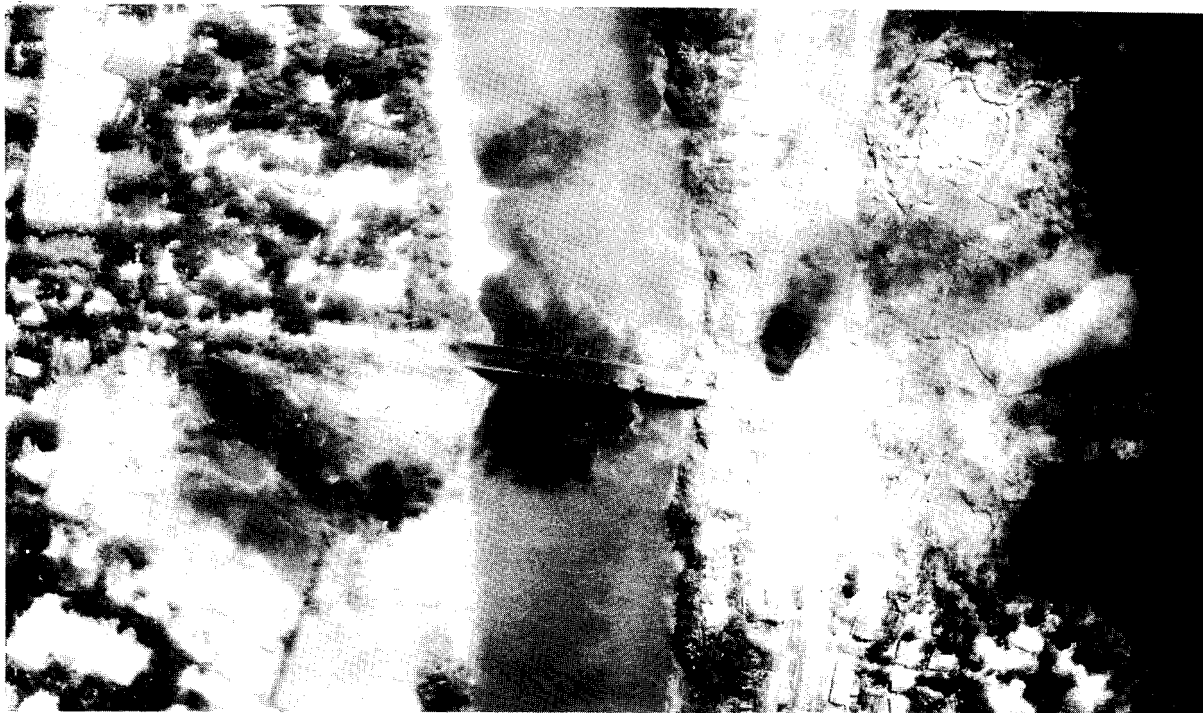
MATERIAL Concrete
NO. OF SPANS 3 probable
LENGTH OF EACH SPAN [REDACTED]

25X1

STATUS:

One span, one pier and one abutment heavily damaged.

COMPENSATIVE ACTION: None



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CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Ha Chanh Hwy. Bridge on Stream
Route 18
Bridge No. 1 on NF 48-12

COUNTRY
North Vietnam

COORDINATES
21 07N - 107 20E
YJ 437 375

25X1

BRIEF NO:
PIB 65289
January 1966

MAP AMS L509 NF 48-12

LOCATION: 0.8 nm E. of Ha Chanh on Route No. 18

DESCRIPTION:

25X1

LENGTH 150' approx.
WIDTH
TYPE Half-through truss

MATERIAL Steel and reinforced concrete
NO. OF SPANS 3
LENGTH OF EACH SPAN 2 spans @ 25' approx.
1 span @ 100' approx.

STATUS:

One end of main span dropped. Piers and abutments intact.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Camouflage/Night Convoy Techniques	North Vietnam	21 19N - 103 55E 48QUJ8758
MAP AMS L509 NF 48-10		BRIEF NO: PIB - 65290 January 1966

25X1

Movable, probably artificial vegetation was observed on a by-pass road near a destroyed bridge 0.2 nm SE of Son La (See Photo No. 1).

Probable night convoy guide lines straddled by vehicle tracks, were observed on Route 6 0.8 nm SE of Son La (See Photo No. 2).



[REDACTED]

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Bac Can Hwy. Bridge over	COUNTRY		COORDINATES
	Song Cau	[REDACTED]	North Vietnam		22 09N - 105 50E WK 870496
25X1	Bridge No.	2 on NF 48-7			
	[REDACTED]				BRIEF NO: PIB 65291 March 1966
	MAP	AMS L509	NF 48-7		
	LOCATION:	0.2 nm W of Bac Can on Route 3			

DESCRIPTION:

25X1	LENGTH	290' approx.	MATERIAL	Steel and concrete
	WIDTH	[REDACTED]	NO. OF SPANS	4
	TYPE	Half-thru truss and deck	LENGTH OF EACH SPAN	2 - 60' approx., 1 - 120' approx. 1 - 50' approx.

STATUS:

3 spans dropped, 1 pier destroyed. Both abutments heavily damaged.
Bridge unserviceable.

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

NAME Ban Houei Ty Hwy. Bridge Bridge No. 23 on NE 48-2	COUNTRY North Vietnam	COORDINATES 19 23N - 104 10E VG 122 442
MAP AMS L509 NE 48-2		BRIEF NO: PTB 65292 January 1966

25X1

LOCATION: W. edge of Ban Houei Ty

DESCRIPTION:

LENGTH 50' approx.
WIDTH 10' approx.
TYPE Deck

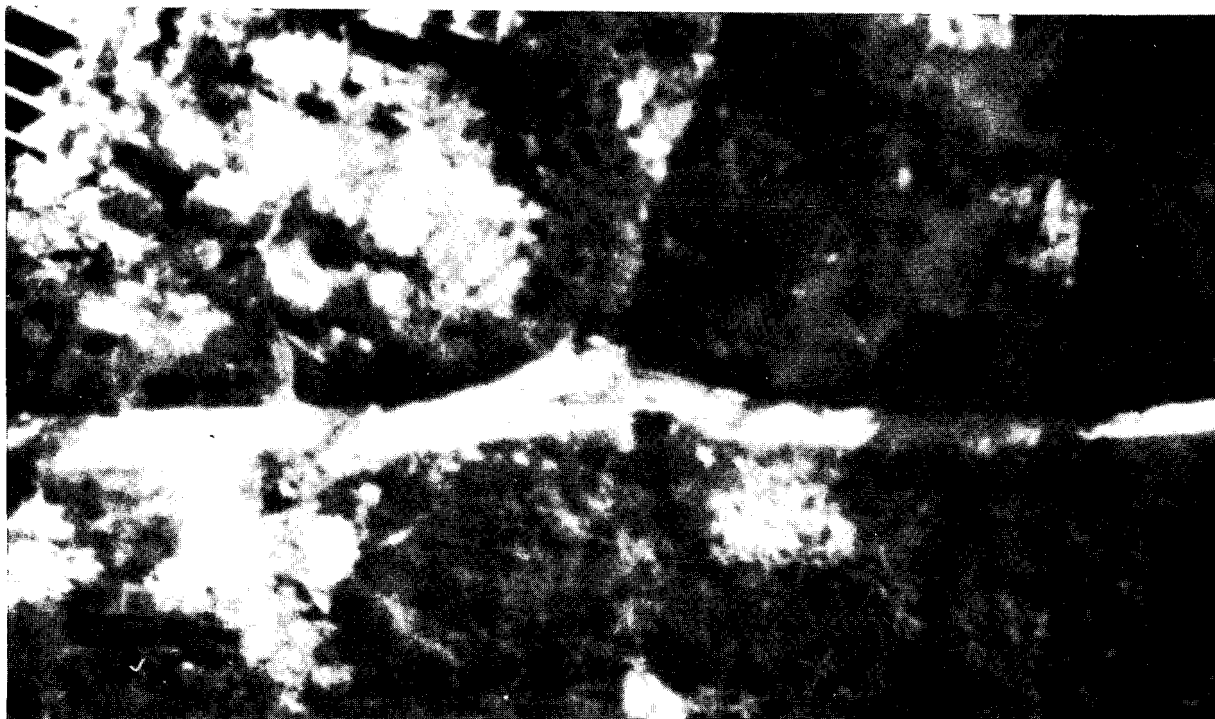
MATERIAL Concrete
NO. OF SPANS 2
LENGTH OF EACH SPAN 25' approx.

STATUS:

One span dropped.

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Lang Bun R.R. Bridge on Ngoi	COUNTRY		COORDINATES
	Bon		North Vietnam		22 09N - 104 23E VK 368 493
25X1	Bridge No. 1 on NF 48-6				BRIEF NO:
					PIB 65293 January 1966
	MAP	AMS L509	NF 48-6		

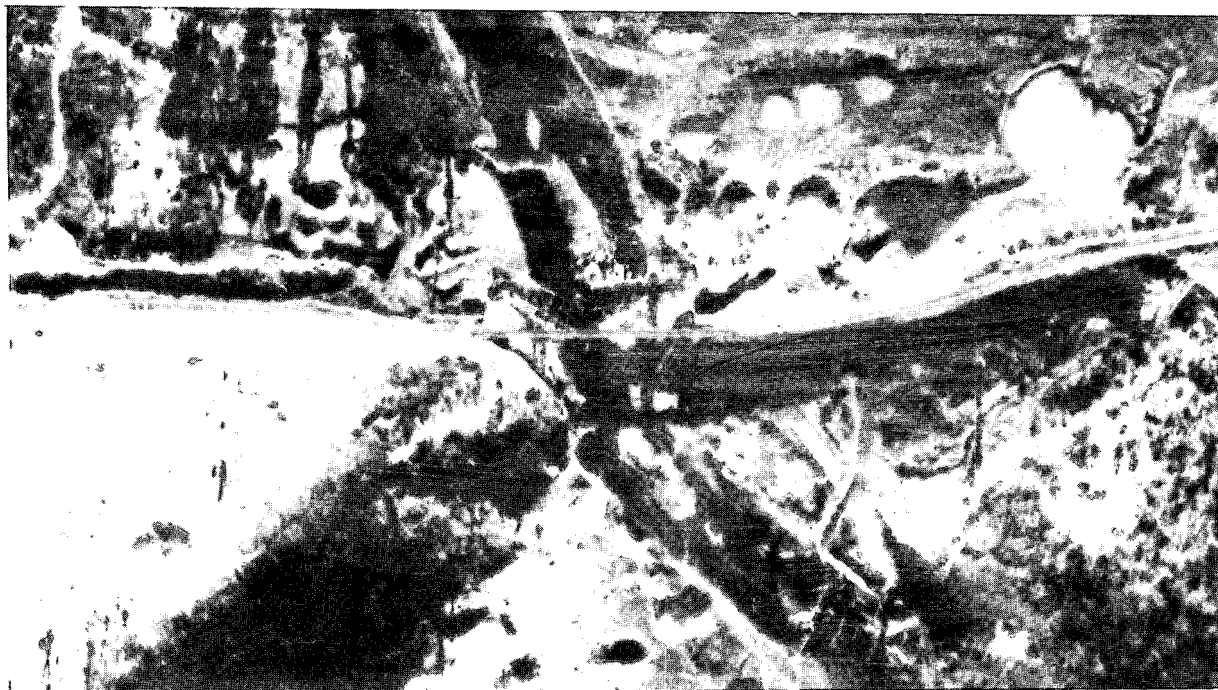
LOCATION: 0.1 nm N.W. of Lang Bun on the Hanoi-Lao Cai Rail Line

25X1	DESCRIPTION:		MATERIAL	Wood probable
	LENGTH		NO. OF SPANS	4
	WIDTH		LENGTH OF EACH SPAN	
	TYPE	Deck-type beam with lattice towers		
	STATUS:	Serviceable		

25X1

COMPENSATIVE ACTION:

25X1



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CIA IMAGERY ANALYSIS DIVISION

25X1

25X1

NAME Lang Thip R.R. Bridge on Ngoi Thip Bridge No. 5 on NF 48-6	COUNTRY North Vietnam	COORDINATES 22 07N - 104 25E VK 400 460
<div style="border: 1px solid black; width: 550px; height: 25px; margin-bottom: 5px;"></div> MAP AMS L509 NF 48-6		BRIEF NO: PIB 65294 January 1966

LOCATION: 1.0 nm S.W. of Lang Thip on the Hanoi-Lao Cai Rail Line

DESCRIPTION:

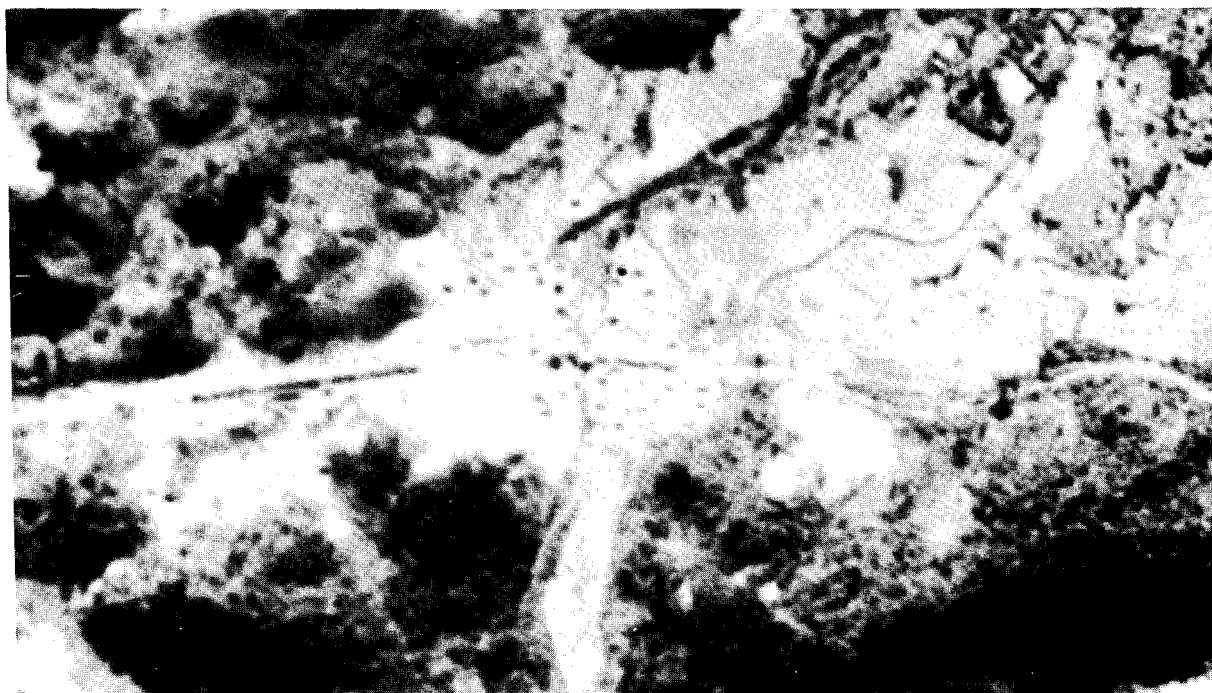
LENGTH	60' approx.	MATERIAL	Concrete and steel
WIDTH	Single Track	NO. OF SPANS	1
TYPE	Deck	LENGTH OF EACH SPAN	60' approx.

STATUS:

Bridge totally destroyed.

COMPENSATIVE ACTION:

Probably serviceable wood multi-span deck-type beam bridge.

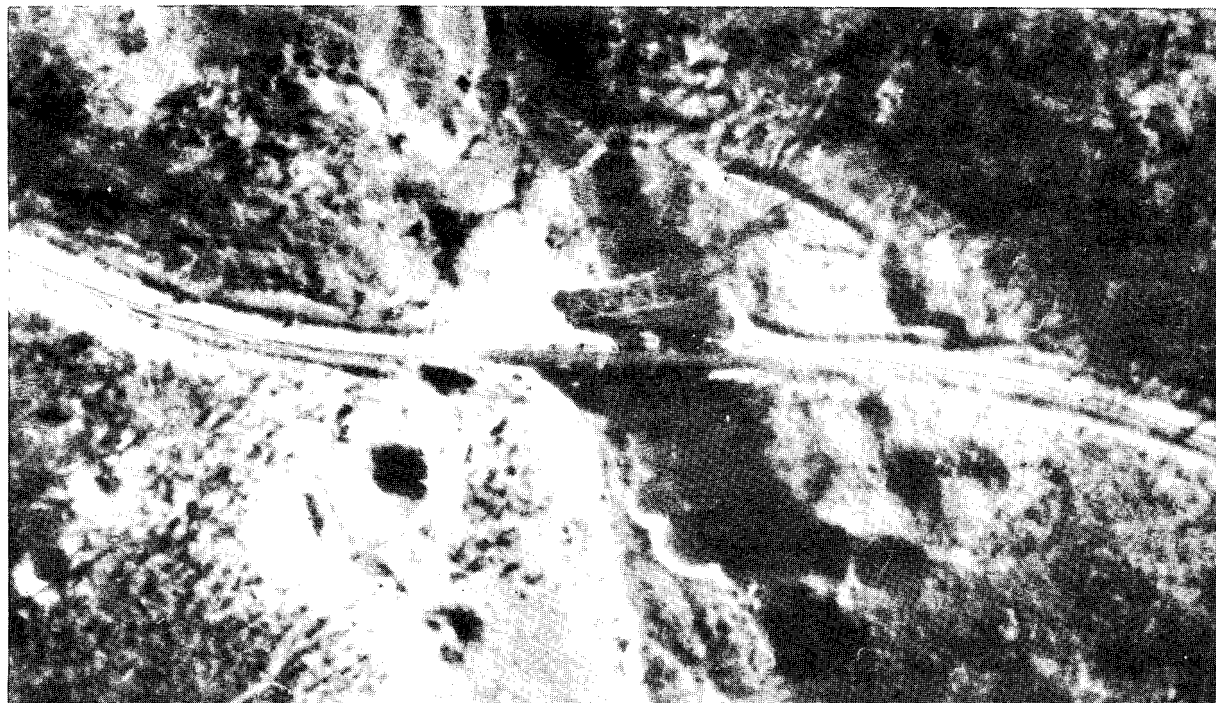


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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME Lang Kay R.R. Bridge N.W. on Ngoi Key Bridge No. 10 on NF 48-6	COUNTRY North Vietnam	COORDINATES 22 04N - 104 28E VK 455 412
25X1	[REDACTED]		BRIEF NO: PIB 65295 January 1966
	MAP AMS L509 NF 48-6		
	LOCATION: 0.7 nm N.E. of Lang Kom on the Hanoi-Lao Cai Rail Line		
	DESCRIPTION:		
	LENGTH 70' approx.	MATERIAL Steel and concrete	
25X1	WIDTH [REDACTED]	NO. OF SPANS 2	
	TYPE Deck Girder	LENGTH OF EACH SPAN 35' approx.	
	STATUS: Bridge totally destroyed. One abutment remains intact.		
	COMPENSATIVE ACTION: Serviceable 4-span wood deck-type beam bridge.		
25X1	[REDACTED]		

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Yen Bai Hwy. Bridge on Mgoi	COUNTRY	COORDINATES
	Cuong [redacted] Bridge No. 36 on NF 48-12	North Vietnam	21 42N - 104 54E VJ 881999	
25X1	[redacted]			BRIEF NO:
	MAP	AMS L509	NF 48-10	PIB 65296 March 1966
	LOCATION:	0.1 nm NE of Yen Bai on Route 13A		

DESCRIPTION:

25X1	LENGTH	40' approx.	MATERIAL	Concrete, steel
	WIDTH	[redacted]	NO. OF SPANS	1
	TYPE	Deck	LENGTH OF EACH SPAN	40' approx.

STATUS:

Destroyed

COMPENSATIVE ACTION:

New Deck-type concrete bridge alongside of old abutments.



VITAL RECORDS COPY

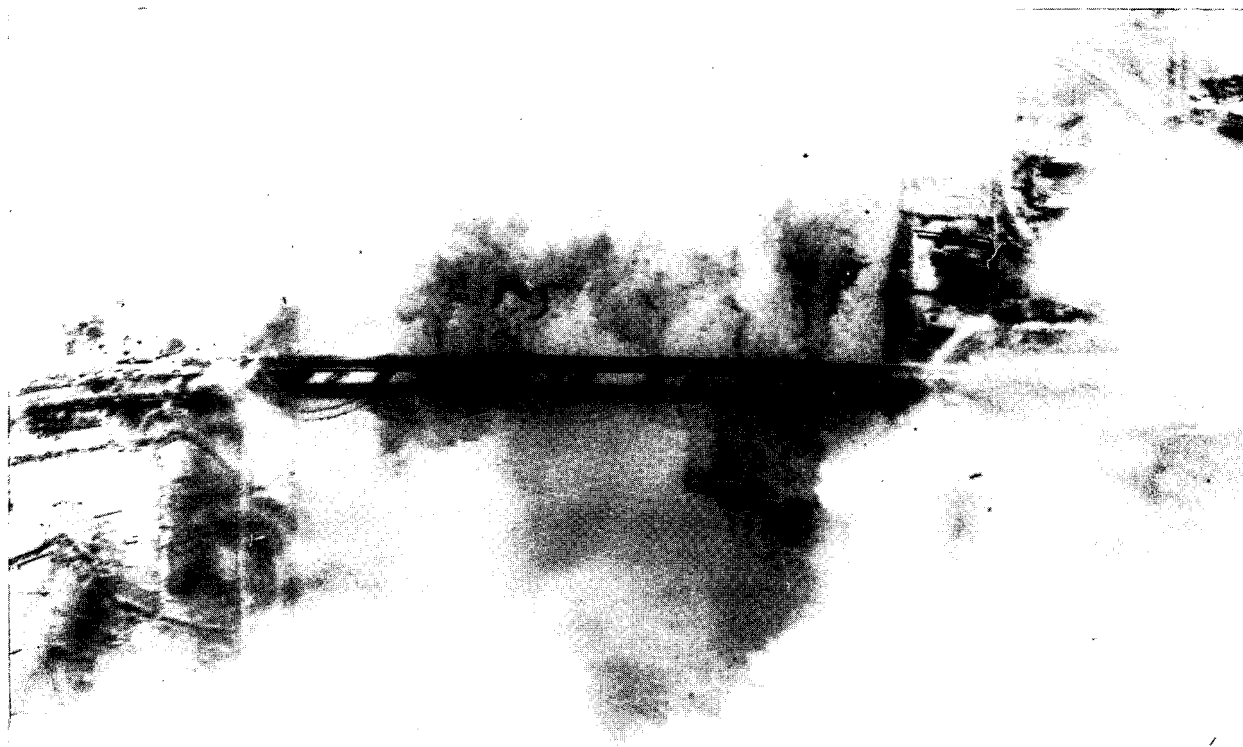
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~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

25X1	NAME Hai Duong R.R. and Hwy. Bridge over Thai Binh [REDACTED] Bridge No. 8 on NF 48-15		COUNTRY North Vietnam	COORDINATES 20 56N - 106 21E XJ 415 163
	25X1 [REDACTED]		BRIEF NO: PIB 65297 February 1966	
MAP		AMS L509	NF 48-15	
LOCATION: 1.0 nm E. of Hai Duong on Route 5 and Hanoi-Haiphong Rail Line				
25X1	DESCRIPTION:			
	LENGTH WIDTH TYPE	[REDACTED] Through Arch Truss	MATERIAL NO. OF SPANS LENGTH OF EACH SPAN	Concrete; steel 14 [REDACTED]
STATUS: 1 span lightly damaged.				
COMPENSATIVE ACTION: None				

25X1

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CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Xom Trung Hoa Hwy. Bridge W.

COUNTRY

COORDINATES

on Stream

18 42N - 105 27E

Bridge No. 80 on NE 48-7

North Vietnam

WF 472 684

25X1

BRIEF NO:

PIB 65298

January 1966

MAP AMS L509 NE 48-7

LOCATION: 0.5 nm E. of Dong Liet on Route 15

DESCRIPTION:

LENGTH 120' approx.

MATERIAL Steel, concrete, timber

WIDTH 10' approx.

NO. OF SPANS

8

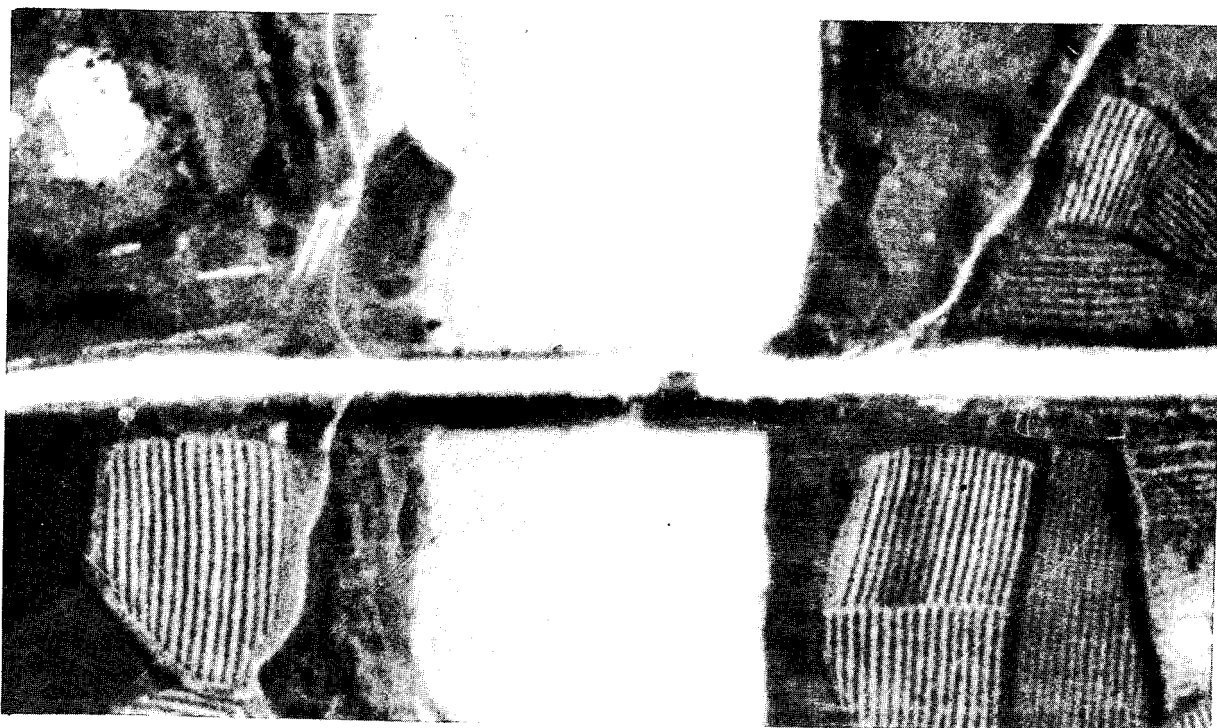
TYPE Deck

LENGTH OF EACH SPAN

15' approx.

STATUS: One span destroyed.

COMPENSATIVE ACTION: Partial reconstruction of destroyed span. Ferry crossing.



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25X1

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Approved For Release 2002/08/12 : CIA-RDP78T05161A001600030001-9

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ly Hoa Hwy. Bridge Bridge No. 15 on NE 48-12	North Vietnam	17 40N - 106 30E XE 601 538
		BRIEF NO: PIB 65301 February 1966
MAP	AMS L509	NE 48-12

LOCATION:

1.6 nm N.W. of Ly Hoa on Route 1A

DESCRIPTION:

LENGTH 120' approx.
 WIDTH 10' approx.
 TYPE Deck

MATERIAL Concrete, steel, timber
 NO. OF SPANS 4
 LENGTH OF EACH SPAN 30' approx.

STATUS:

1 span moderately damaged.

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

NAME Hung Long Hwy. Bridge Bridge No. 81 on NE 48-7	COUNTRY North Vietnam	COORDINATES 18 15N - 106 03E XF 126 195
MAP AMS L509 NE 48-7		BRIEF NO: PIB 65302 February 1966

25X1

LOCATION:

0.5 nm S.W. of Hung Long on an unnumbered Route.

DESCRIPTION:

25X1

LENGTH
WIDTH
TYPE

Deck

MATERIAL Concrete, timber probable
NO. OF SPANS 3
LENGTH OF EACH SPAN

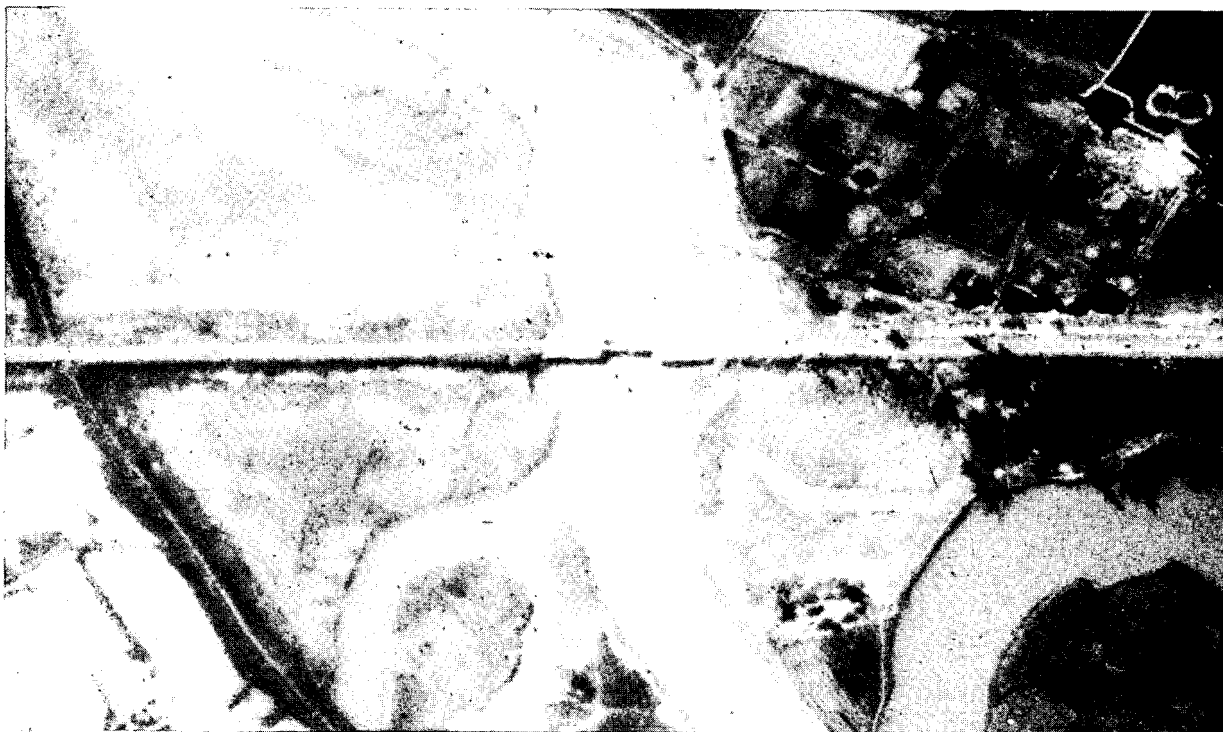
25X1

STATUS:

Center span destroyed

COMPENSATIVE ACTION:

None



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CIA IMAGERY ANALYSIS DIVISION

NAME Hoan Lao Hwy. Bridge W on stream <input type="text"/> Bridge No. 25 on NE 48-12	COUNTRY North Vietnam	COORDINATES 17 35N - 106 31E XE 615 455
MAP AMS L509 NE 48-12		BRIEF NO: PIB 65303 January 1966

LOCATION: 0.5 nm S.W. of Xom Chua on Route 107

DESCRIPTION:

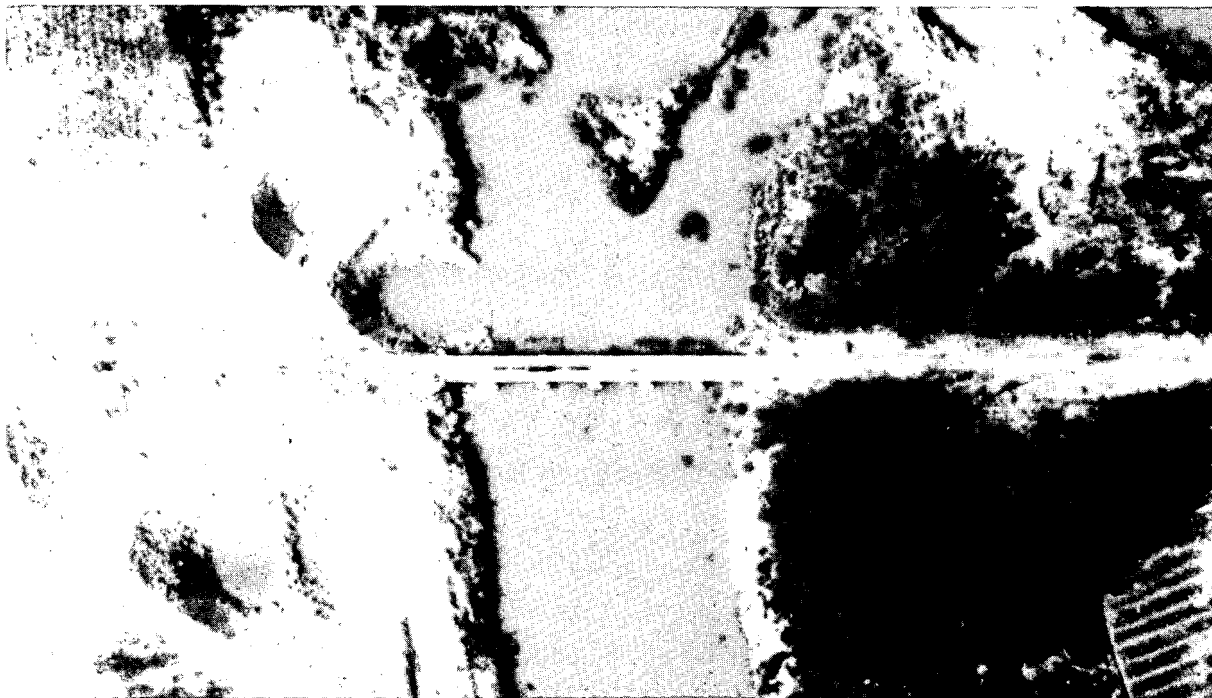
LENGTH <input type="text"/>	MATERIAL Wood deck with concrete piers
WIDTH <input type="text"/>	NO. OF SPANS 6
TYPE Deck	LENGTH OF EACH SPAN <input type="text"/>

STATUS:

Serviceable. Decking moderately damaged.

COMPENSATIVE ACTION:

None

~~CONFIDENTIAL~~GROUP 1
Excluded from automatic
downgrading and declassification

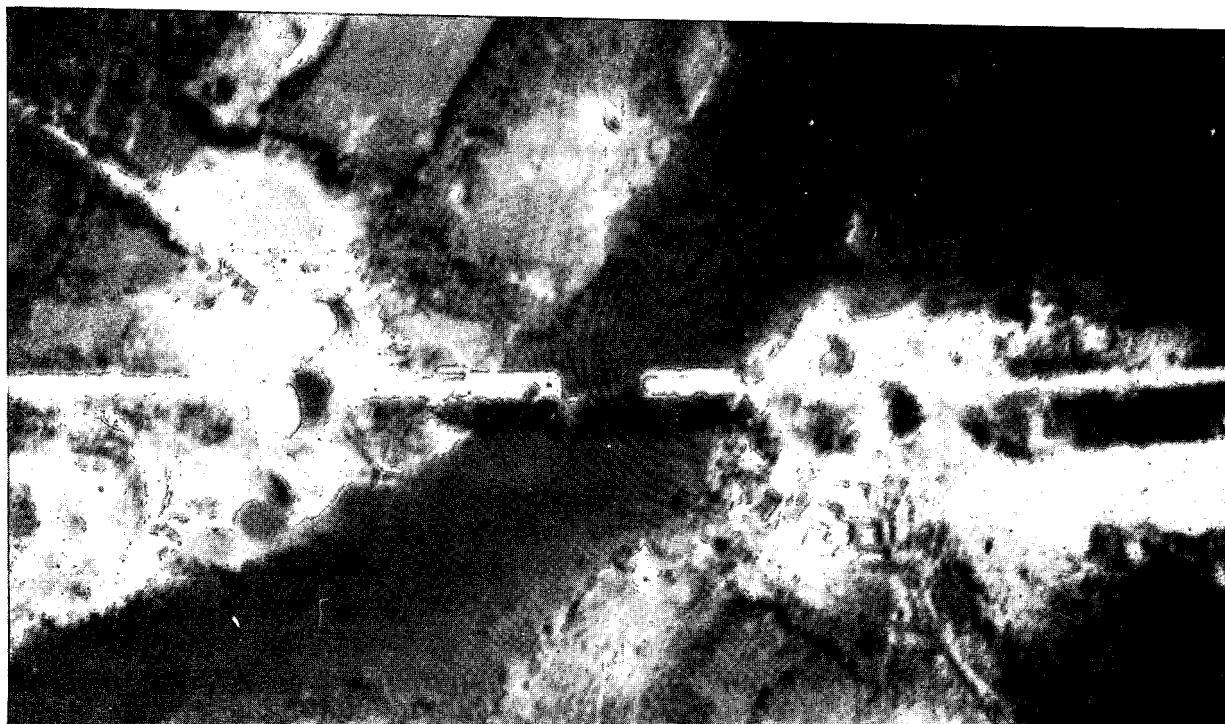
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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Phuoc Due Hwy. Bridge N. on stream <input type="text"/>	COUNTRY		COORDINATES	17 23N - 106 37E XE 720 230
		Bridge No. 17 on NE 48-12		North Vietnam		
25X1					BRIEF NO:	PIB 65304
	MAP	AMS L509	NE 48-12	January 1966		
	LOCATION:	1.0 nm N.W. of Phuoc Due on Route 101				
25X1	DESCRIPTION:					
	LENGTH	<input type="text"/>	MATERIAL	Steel, Concrete		
	WIDTH	<input type="text"/>	NO. OF SPANS	3		
	TYPE	Deck	LENGTH OF EACH SPAN	45' approx.		
	STATUS:	1 span and 1 abutment destroyed. 2 spans damaged.				

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

NAME Phuc Loc R.R. Bridge Bridge No. 26 on NE 48-12	COUNTRY North Vietnam	COORDINATES 17 34N - 106 30E XE 613 444
<div style="border: 1px solid black; height: 20px; width: 100%;"></div>		BRIEF NO: PIB 65305 January 1966
MAP AMS L509 NE 48-12		

25X1

LOCATION: 0.5 nm N.W. of Phuc Loc on an abandoned railroad

DESCRIPTION:

25X1

LENGTH
WIDTH
TYPE

Deck

MATERIAL Steel and concrete
NO. OF SPANS 2
LENGTH OF EACH SPAN

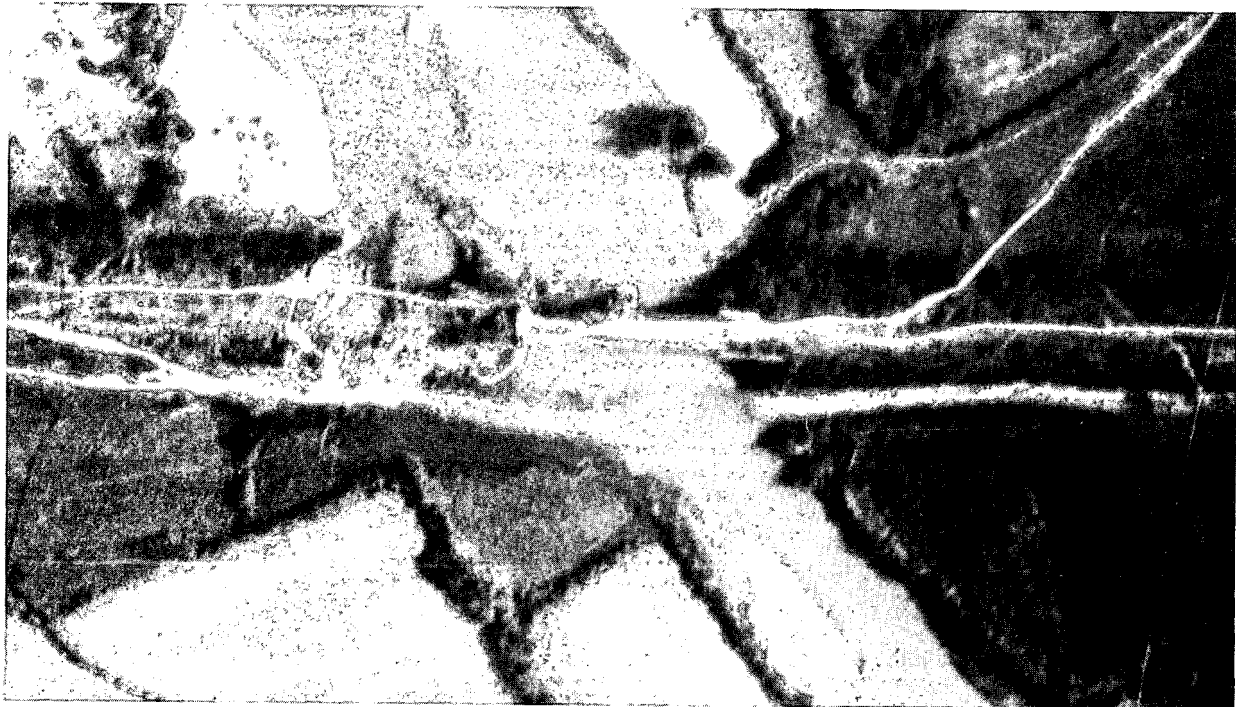
25X1

STATUS:

Deck of 1 span moderately damaged. Bridge serviceable.

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Xom Lang Foot Bridge Bridge No. 27 on NE 48-12	North Vietnam	17 34N - 106 30E XE 610 420
<div data-bbox="61 426 147 459" data-label="Text">25X1</div>		BRIEF NO:
<div data-bbox="188 483 651 512" data-label="Text">MAP AMS L509 NE 48-12</div>		PIB 65306 January 1966

LOCATION: 0.5 nm S.E. of Xom Lang on an unnumbered trail

DESCRIPTION:

LENGTH 20' approx.

WIDTH

TYPE

Undetermined

MATERIAL Wood

NO. OF SPANS Undetermined

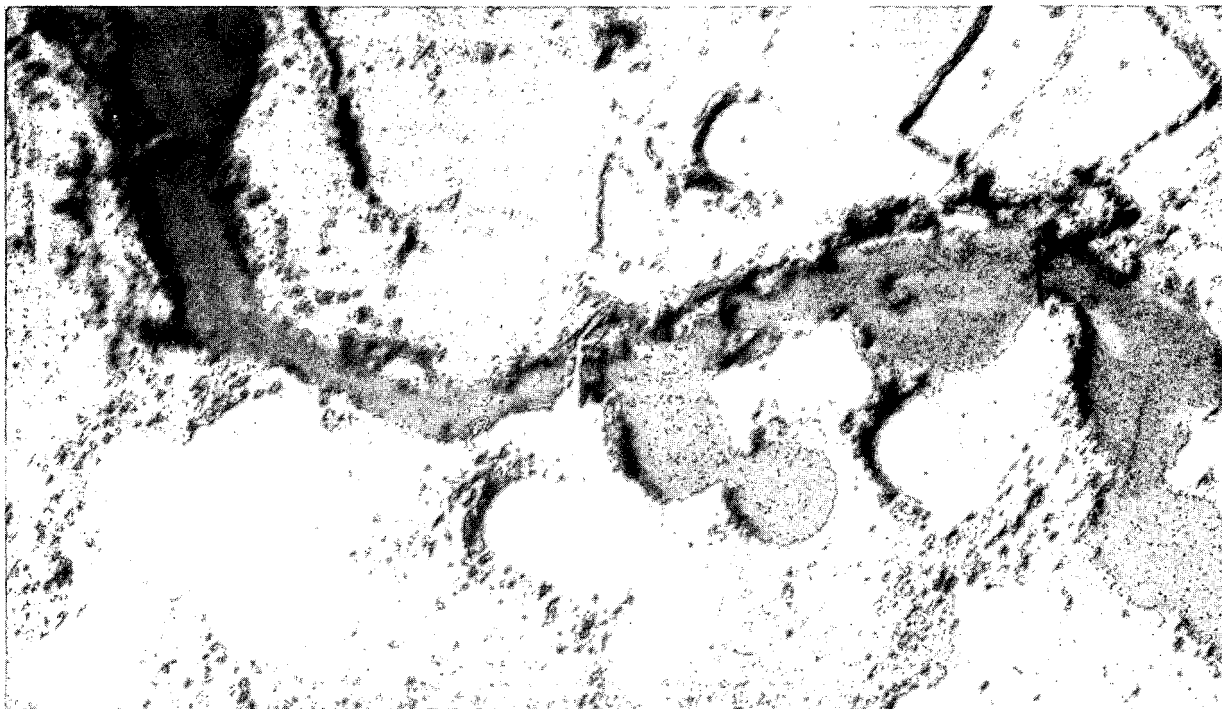
LENGTH OF EACH SPAN Undetermined

STATUS:

Completely destroyed.

COMPENSATIVE ACTION:

None

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GROUP 1
Excluded from automatic
downgrading and declassification

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
My Tho Hwy. Bridge Bridge No. 16 on NE 48-12	North Vietnam	17 12N - 106 51E XE 963 030

25X1

BRIEF NO:
PTB 65307 January 1966

MAP
AMS L509 NE 48-12

LOCATION: 0.3 nm N. of My Tho on Route 103

DESCRIPTION:

LENGTH	WIDTH	TYPE	MATERIAL	NO. OF SPANS	LENGTH OF EACH SPAN
70' approx.		Deck	Concrete	2	35' approx.

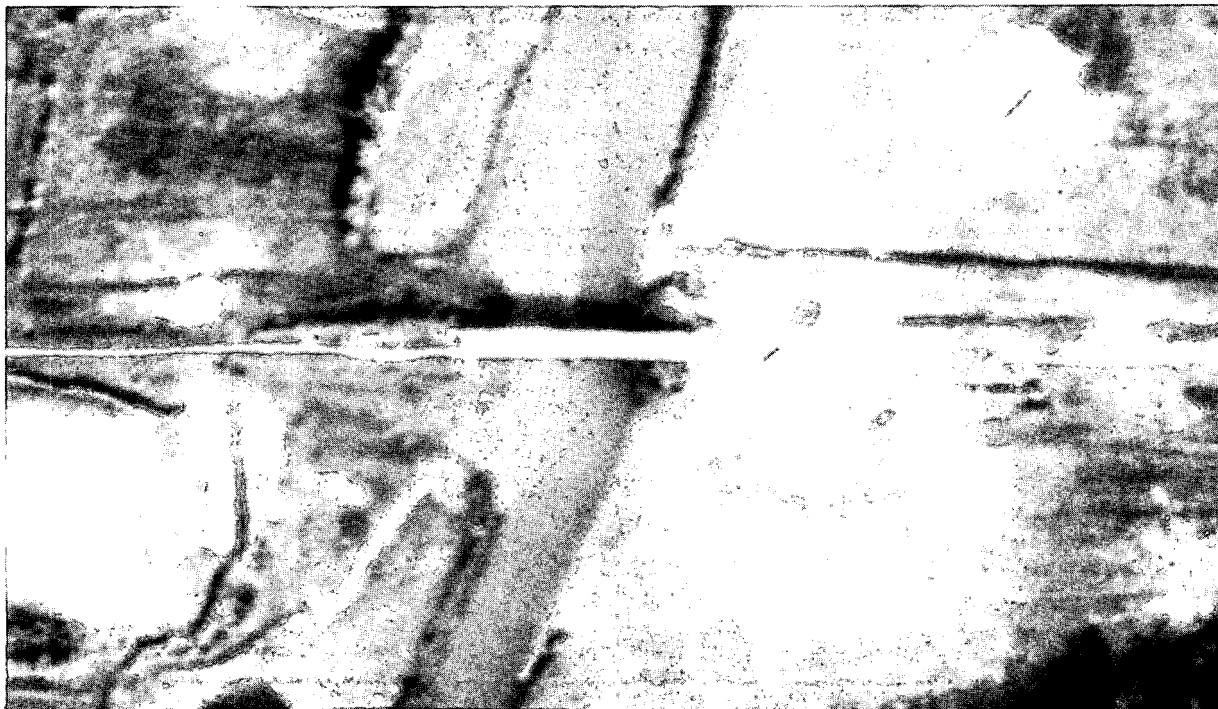
25X1

STATUS:

Center of 1 span is collapsed.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

NAME

Phu Thiet Hwy. Bridge
Bridge No. 28 on NE 48-12

COUNTRY

North Vietnam

COORDINATES

17 11N - 106 53E
YE 003 019

25X1

MAP

AMS L509 NE 48-12

BRIEF NO:

PIB 65308
January 1966

LOCATION:

0.4 nm S.W. of Phu Thiet on an unnumbered trail

DESCRIPTION:

25X1

LENGTH

WIDTH

TYPE

Deck

MATERIAL

Timber

NO. OF SPANS

6

LENGTH OF EACH SPAN

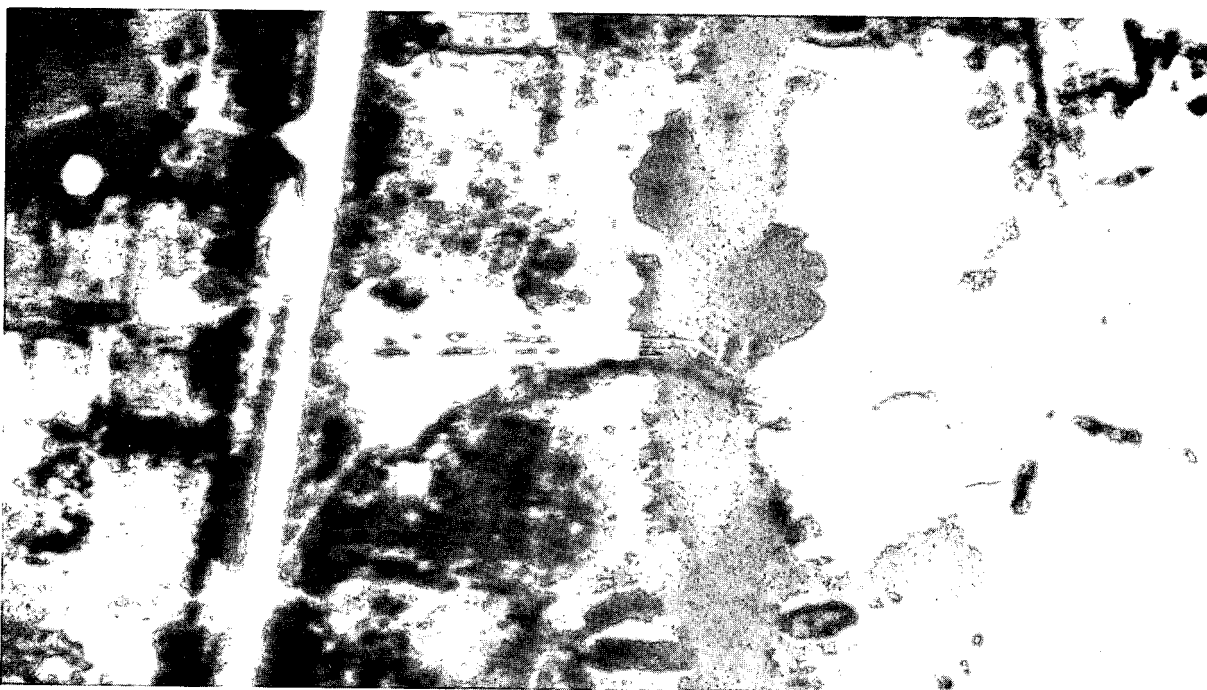
25X1

STATUS:

5 spans destroyed. 1 abutment damaged.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

NAME An Dinh Hwy. Bridge Bridge No. 8 on NE 48-12	COUNTRY North Vietnam	COORDINATES 17 16N - 106 46E XE 889 109
<div>25X1</div>		BRIEF NO: PIB 65309 January 1966
MAP AMS L509	NE 48-12	

LOCATION: 0.6 nm S.W. of An Dinh on Route 1A

DESCRIPTION:

LENGTH 125' approx.
 WIDTH 10' approx.
 TYPE Deck

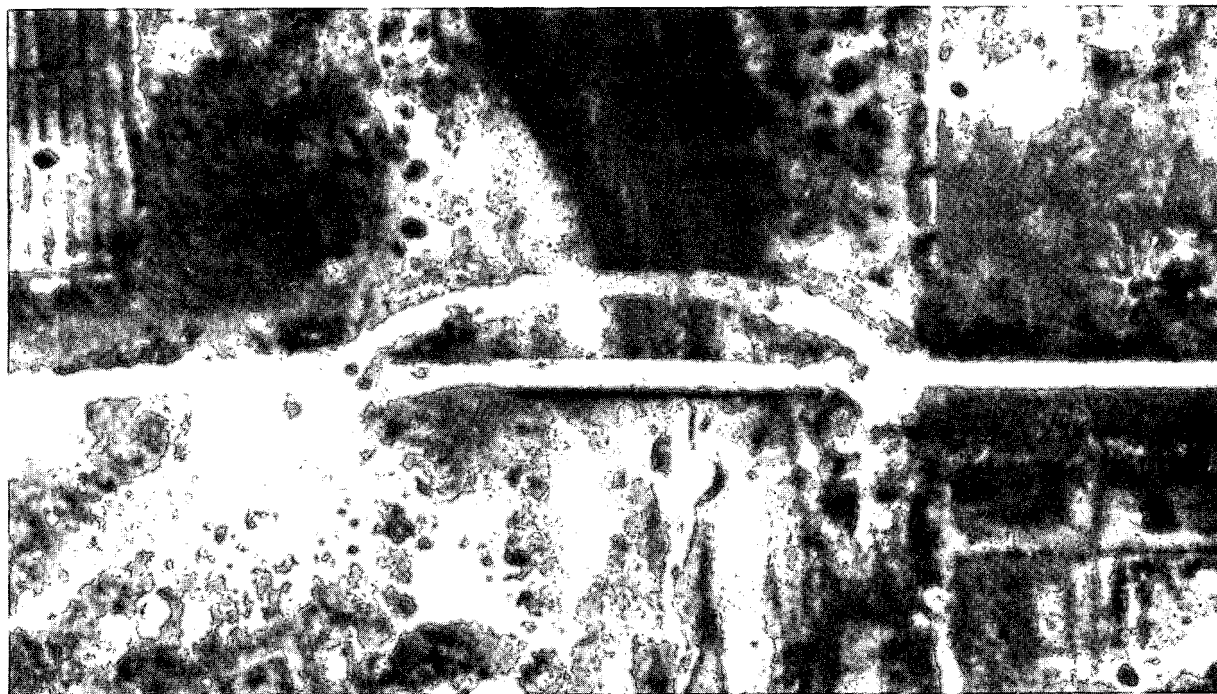
MATERIAL Concrete
 NO. OF SPANS 5 probable
 LENGTH OF EACH SPAN 25' approx.

STATUS:

1 abutment destroyed. End of 1 span dropped.

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Ban Tan Phao Hwy. Bridge over

COUNTRY

COORDINATES

Se Bang Fai

17 25N - 105 42E

Bridge No. 8L on NE 48-11

Laos

WE 755273

25X1

BRIEF NO:

MAP

AMS JOG 1501

NE 48-11

PIB 65310

February 1966

LOCATION: 0.2 nm E of Ban Ton Phao on Route 23.

DESCRIPTION:

LENGTH

130' approx.

MATERIAL

Wood

WIDTH

10' approx.

NO. OF SPANS

indeterminate

TYPE

Deck

LENGTH OF EACH SPAN

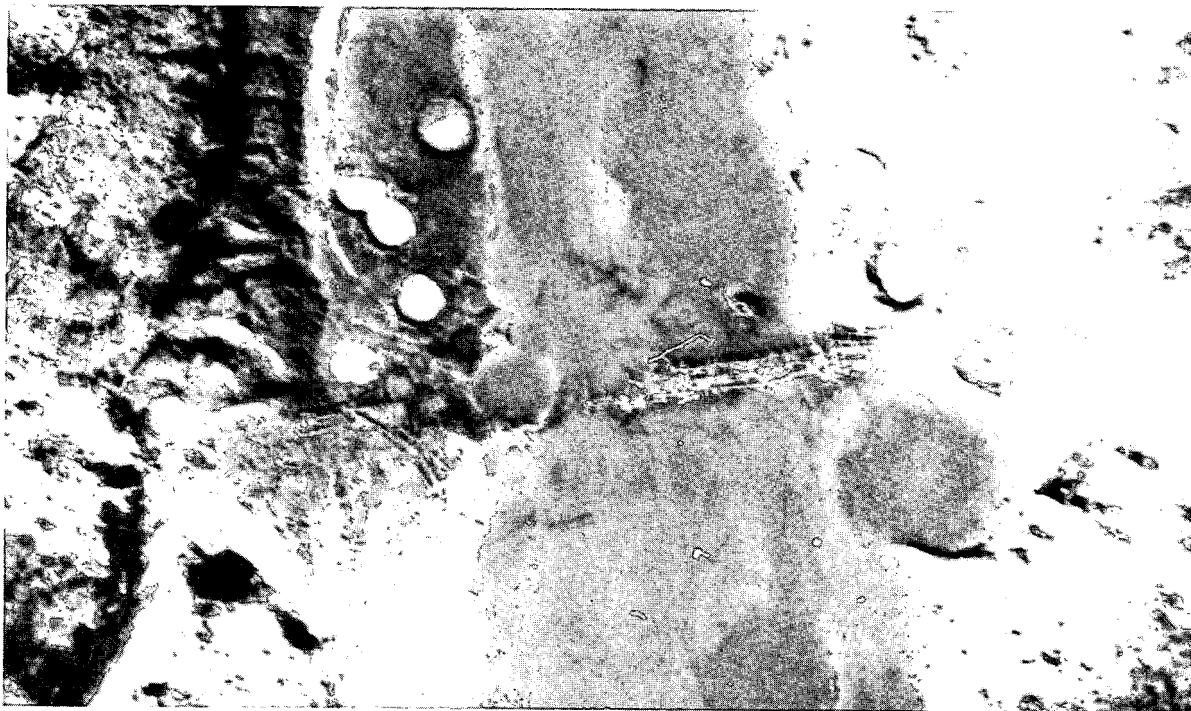
indeterminate

STATUS:

Entire bridge heavily damaged; unserviceable.

COMPENSATIVE ACTION:

Ford

~~CONFIDENTIAL~~GROUP 1
automatic
downgrading and
declassification

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ban Hang Kane Hwy. Bridge II Bridge No. 5L on NE 48-11	Laos	17 35N - 105 29E WE 516 440
BRIEF NO:		
PIB 65311		
MAP	AMS JOG 1501	NE 48-11
February 1966		

LOCATION:

DESCRIPTION: East edge of Ban Hang Kane on Route 12

LENGTH 15' approx.

MATERIAL Wood

WIDTH

NO. OF SPANS

TYPE

LENGTH OF EACH SPAN 1

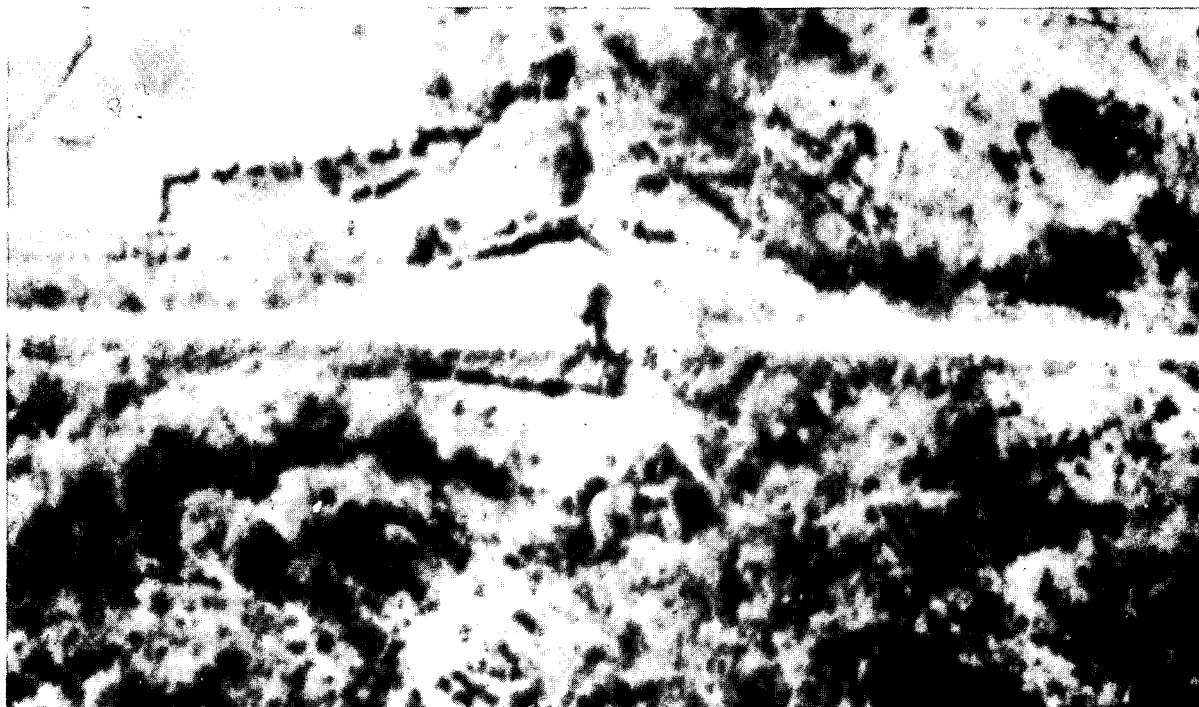
Deck

15' approx.

STATUS: Bridge destroyed

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ban Hang Kane Hwy. Bridge III Bridge No. 6L on NE 48-11	Laos	17 35N - 105 28E WE 508 441
		BRIEF NO: PIB 65312 February 1966
MAP	AMS JOG 1501	NE 48-11

LOCATION:

0.2 nm W. of Ban Hang Kane on Route 12

DESCRIPTION:

LENGTH 30' approx.
WIDTH 10' approx.
TYPE Deck

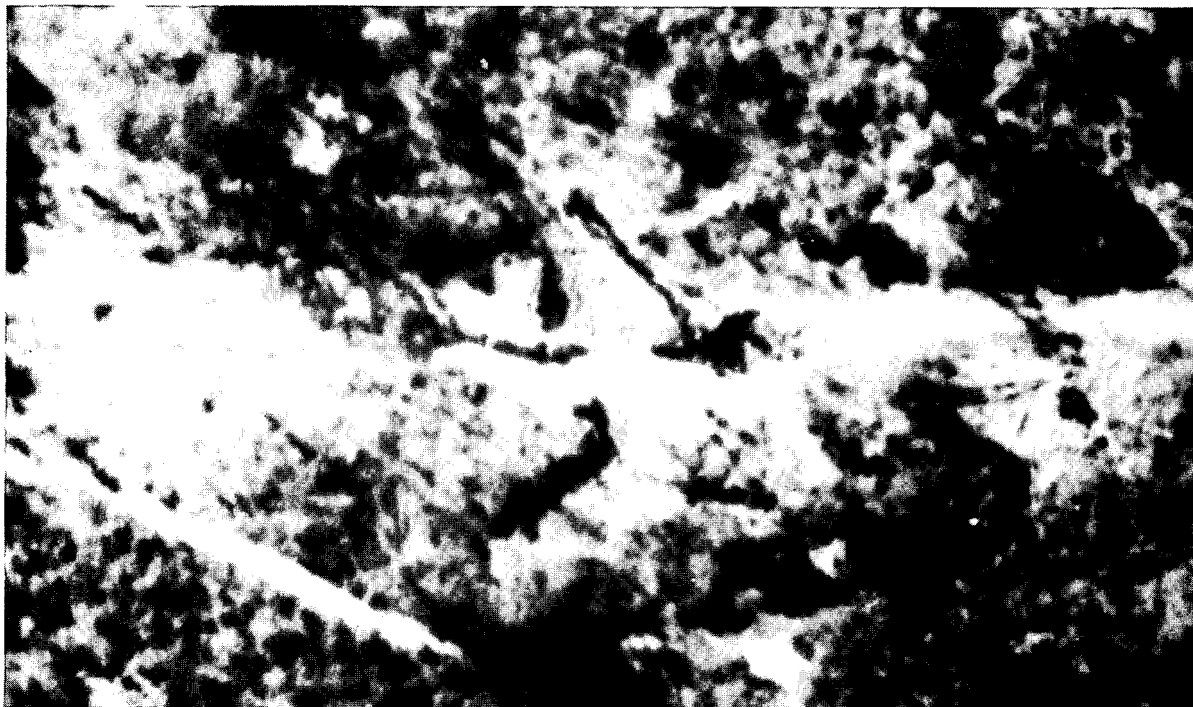
MATERIAL Wood
NO. OF SPANS 1
LENGTH OF EACH SPAN

30' approx.

STATUS: Bridge destroyed

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

NAME Ban Hang Kane Hwy. Bridge I Bridge No. 4L on NE 48-11	COUNTRY Laos	COORDINATES 17 35N - 105 29E WE 519 440
<div data-bbox="43 430 131 466" data-label="Text">25X1</div>		BRIEF NO: PIB 65313 February 1966
MAP AMS JOG 1501	NE 48-11	

LOCATION:

0.4 nm E. of Ban Hang Kane on Route No. 12

DESCRIPTION:

LENGTH 20' approx.
 WIDTH 10' approx.
 TYPE Deck

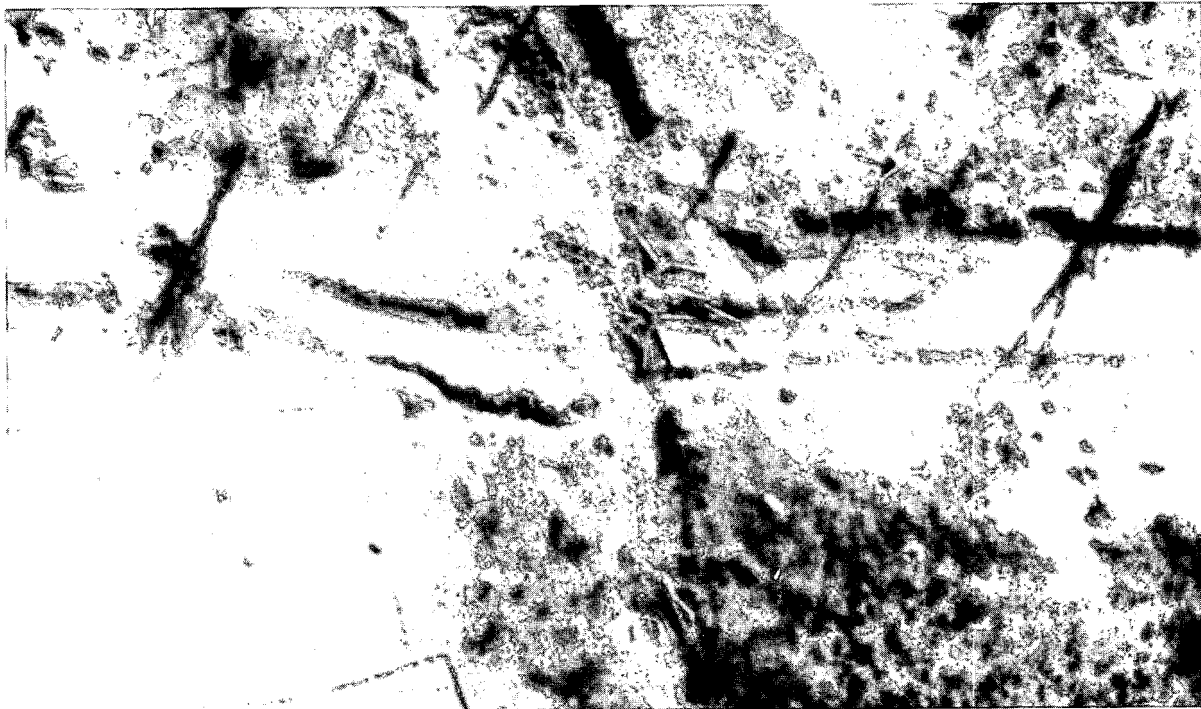
MATERIAL Wood
 NO. OF SPANS 1
 LENGTH OF EACH SPAN

20' approx.

STATUS: Bridge destroyed.

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

NAME Ban Xieng Dao Hwy. Bridge Bridge No. 3L on NE 48-11	COUNTRY Laos	COORDINATES 17 34N - 105 30E WE 535 438
25X1 MAP AMS JOG 1501 NE 48-11		BRIEF NO: PIB 65314 February 1966

LOCATION: 0.7 nm W. of Ban Xieng Dao on Route 12

DESCRIPTION:

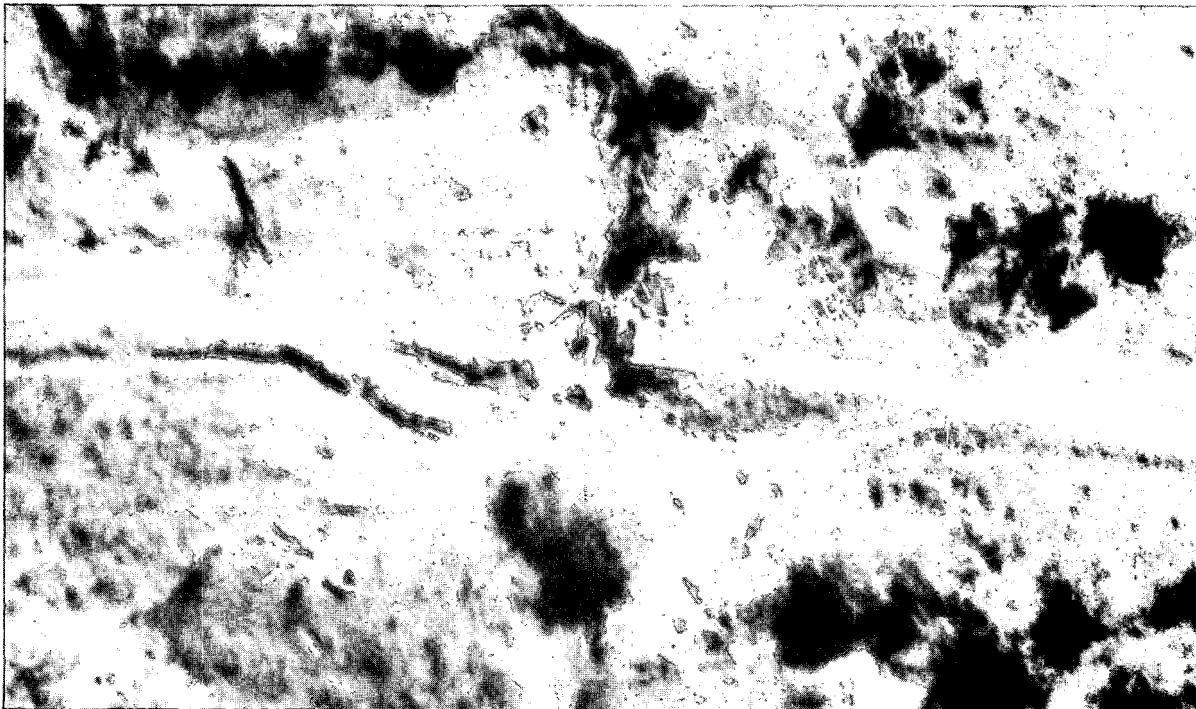
LENGTH	25' approx.	MATERIAL	Wood
WIDTH	10' approx.	NO. OF SPANS	1
TYPE	Deck	LENGTH OF EACH SPAN	25' approx.

STATUS:

Bridge destroyed.

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ban Ta Lak Hwy. Bridge Bridge No. 11 on NE 48-11	Laos	17 34N - 105 37E WE 669 438
		BRIEF NO: PIB 65315 February 1966
MAP AMS JOG 1501 NE 48-11		

25X1

LOCATION: In the village of Ban Ta Lak on Route 12

DESCRIPTION:

LENGTH 35' approx.

MATERIAL Wood

WIDTH

NO. OF SPANS 1

TYPE

Deck

LENGTH OF EACH SPAN

35' approx.

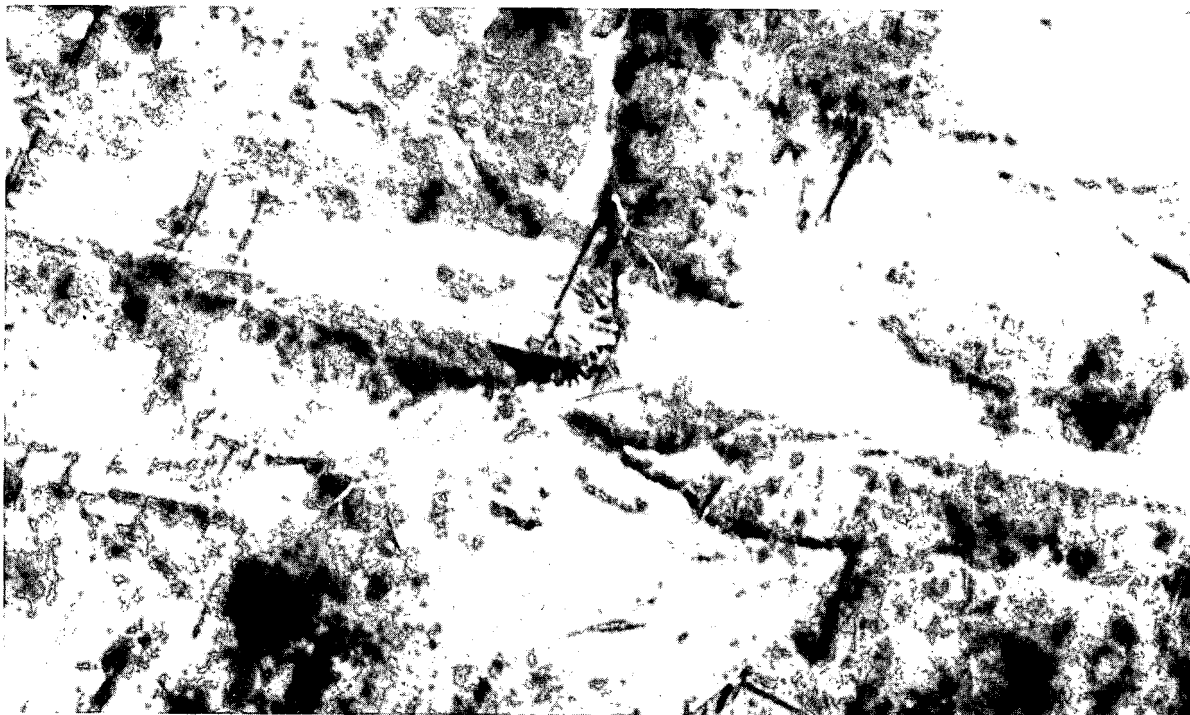
25X1

STATUS:

One end of bridge heavily damaged, one abutment moderately damaged.

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Ban Na Thinh Hwy. Bridge Bridge No. 2L on NE 48-11	COUNTRY Laos	COORDINATES 17 34N - 105 36E WE 651 439
<div style="border: 1px solid black; height: 20px; width: 100%;"></div>		BRIEF NO: PIB 65316 February 1966
MAP		

LOCATION:

0.4 nm E. of Ban Na Thinh on Route 12

DESCRIPTION:

25X1

LENGTH 20' approx.
WIDTH
TYPE Deck

MATERIAL Wood
NO. OF SPANS 1
LENGTH OF EACH SPAN 20' approx.

STATUS:

Bridge destroyed

COMPENSATIVE ACTION:

Ford



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CIA IMAGERY ANALYSIS DIVISION

NAME Tan Ly Hwy. Bridge Bridge No. 31 on NE 48-11	COUNTRY North Vietnam	COORDINATES 17 47N - 105 59E XE 050 660
MAP AMS L509 NE 48-11		BRIEF NO: PIB 65317 February 1966

25X1

LOCATION:

0.8 nm N.W. of Tan Ly on Route 110

DESCRIPTION:

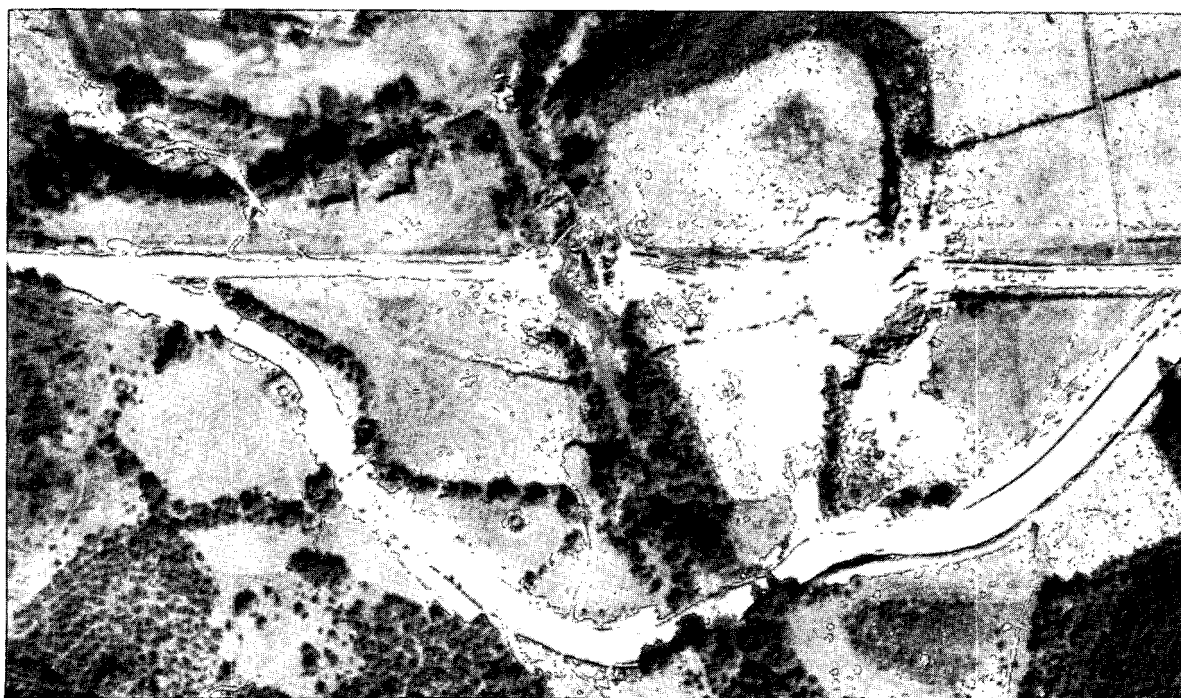
LENGTH	40' approx.	MATERIAL	Probable timber
WIDTH	10' approx.	NO. OF SPANS	2 probable
TYPE	Deck	LENGTH OF EACH SPAN	40' approx.

STATUS:

Completely destroyed.

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

25X1

25X1

NAME Nape Hwy. Bridge over Nam Phao Bridge No. LL on NE 48-7	COUNTRY Laos	COORDINATES 18 18N - 105 04E WF 081236
<div style="border: 1px solid black; width: 100%; height: 20px;"></div>		BRIEF NO: PIB 65318 March 1966
MAP AMS L1501 NE 48-7		
LOCATION: 0.9 nm SW of Nape on Route 8		

DESCRIPTION:

LENGTH 270' approx.
 WIDTH 10' approx.
 TYPE Half-through truss

MATERIAL Concrete, steel
 NO. OF SPANS 3
 LENGTH OF EACH SPAN 90' approx.

STATUS:

1 span destroyed.

COMPENSATIVE ACTION: Temporary timber bridge and causeway

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CIA IMAGERY ANALYSIS DIVISION

NAME Nape Hwy. Bridge Bridge No. 2L on NE 48-7	COUNTRY Laos	COORDINATES 18 19N - 105 07E WF 122 260
MAP AMS L 1501 NE 48-7		BRIEF NO: PIB 65319 February 1966

25X1

LOCATION:

1.8 nm N.E. of Nape on Route 8

DESCRIPTION:

LENGTH 50' approx.
 WIDTH 10' approx.
 TYPE Deck

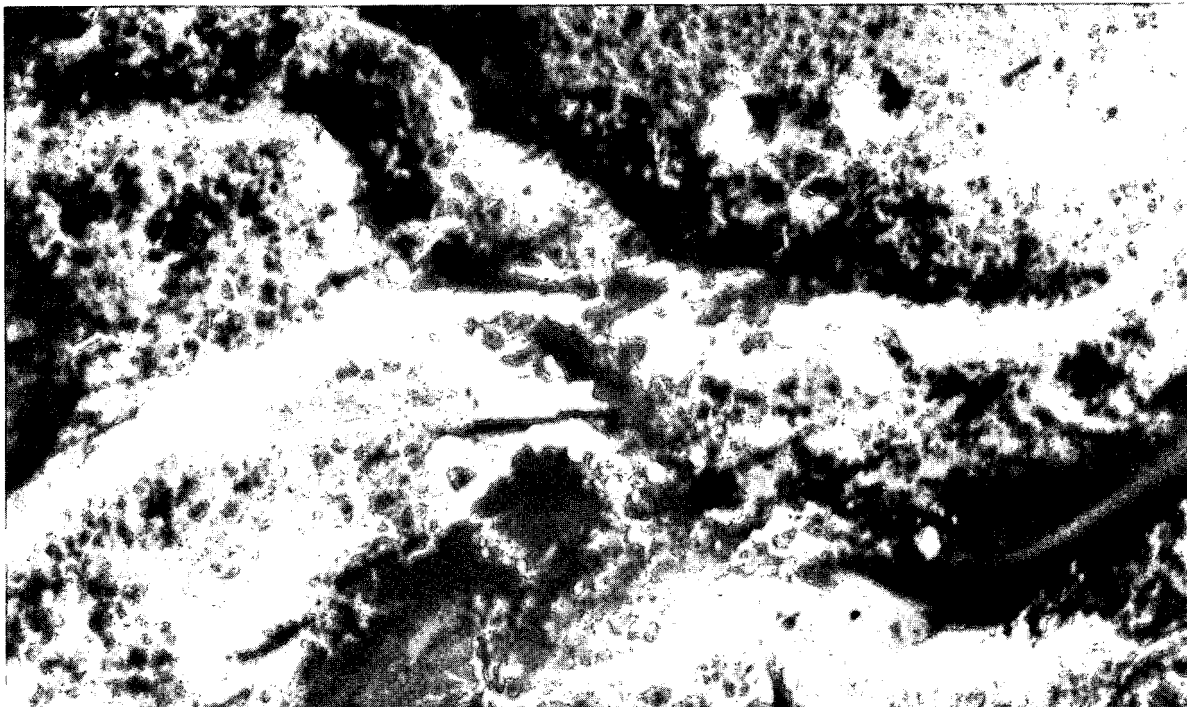
MATERIAL Concrete
 NO. OF SPANS 2 probable
 LENGTH OF EACH SPAN 25' approx.

STATUS:

Destroyed

COMPENSATIVE ACTION:

Ford

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

25X1 NAME Ban Pak Pha Nang Hwy. Bridge
 over Se Bang Fai [REDACTED]
 Bridge No. 7L on NE 48-11

25X1 COUNTRY Laos

COORDINATES
 17 23N - 105 44E
 WE 780235

25X1 [REDACTED]

BRIEF NO:
 PIB 65320
 February 1966

MAP AMS JOG 1501 NE 48-11

LOCATION:

At north edge of Ban Pak Nang on Route 23

DESCRIPTION:

25X1 LENGTH [REDACTED] MATERIAL Wood
 WIDTH 10' approx. NO. OF SPANS 10' probable
 TYPE Pontoon LENGTH OF EACH SPAN [REDACTED]

STATUS:

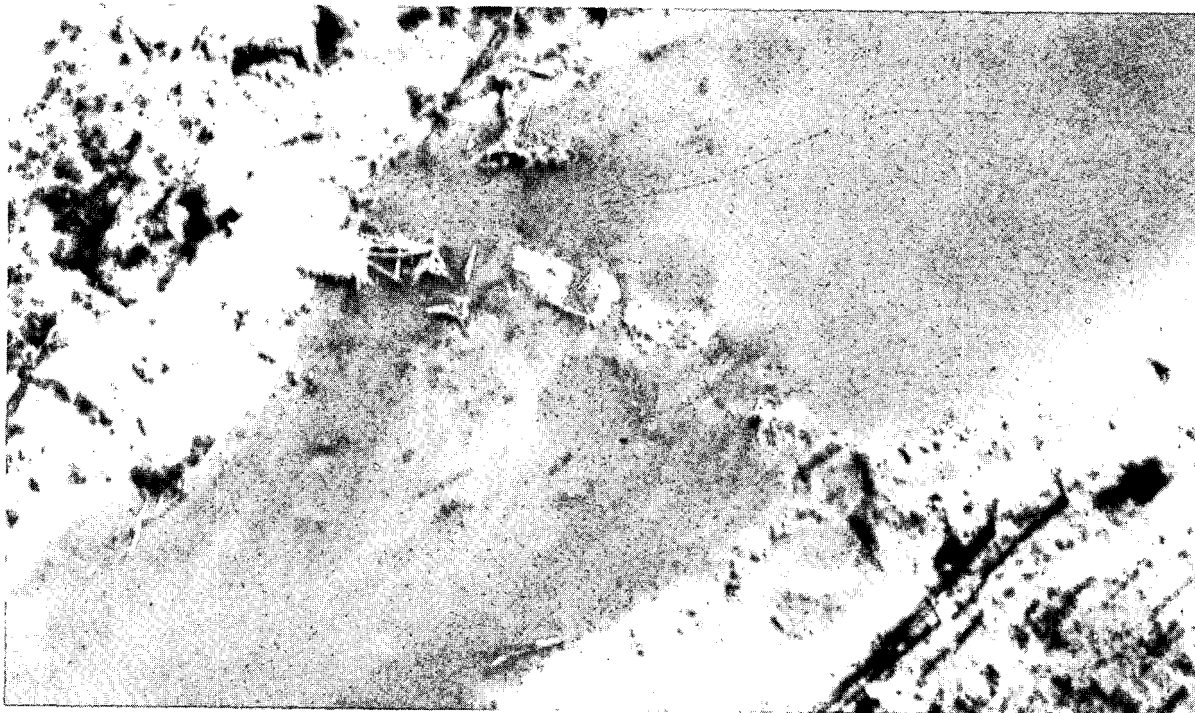
Bridge completely destroyed.

COMPENSATIVE ACTION:

Ford

25X1 [REDACTED]

25X1

~~CONFIDENTIAL~~
 GROUP 1
 Excluded from automatic
 downgrading and declassification

~~CONFIDENTIAL~~

25X1

CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Ban Pak Pha Nang Hwy. Bridge on Se Bang Fai [REDACTED] Bridge No. 7L on NE 48-11	COUNTRY	Laos	COORDINATES	17 23N - 105 44E WE 780235
	MAP	AMS JOG 1501	NE 48-11		BRIEF NO:	PTB 65321 February 1966

LOCATION:

At north edge of Ban Pak Pha Nang on Route 23

DESCRIPTION:

25X1	LENGTH	[REDACTED]	MATERIAL	Wood
	WIDTH	10' approx.	NO. OF SPANS	10
	TYPE	Pontoon	LENGTH OF EACH SPAN	[REDACTED]

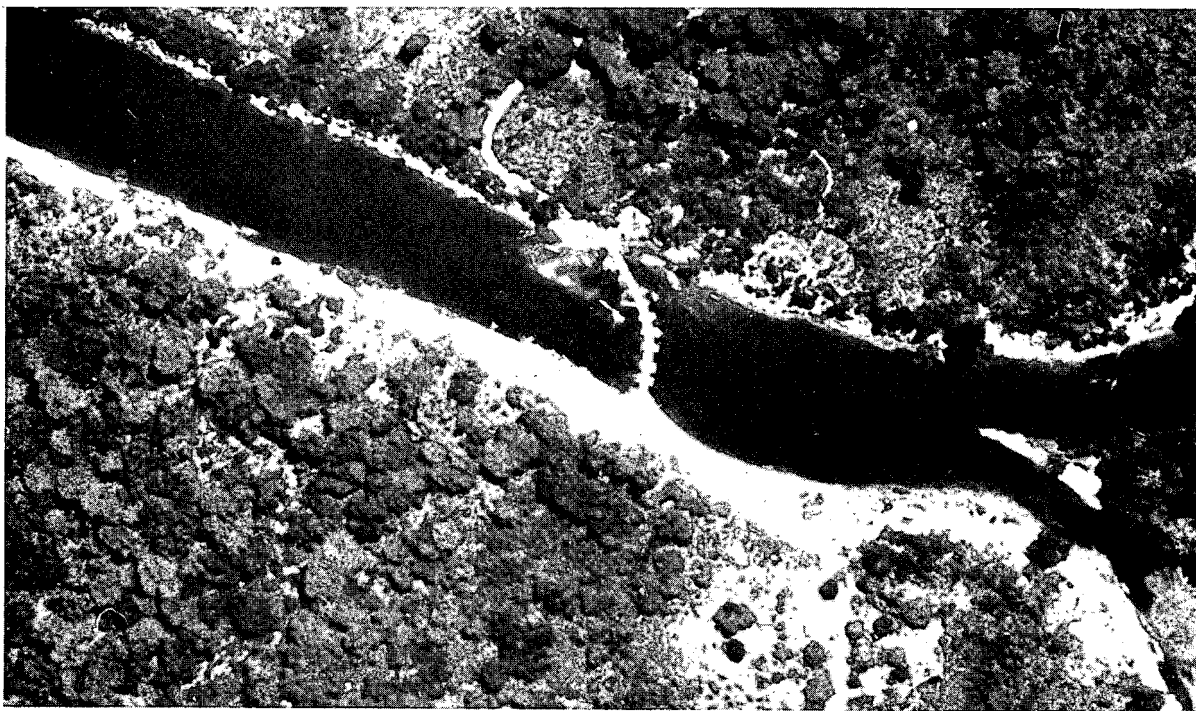
25X1

STATUS:

Pre-strike

COMPENSATIVE ACTION:

25X1

~~CONFIDENTIAL~~

25X1

CIA IMAGERY ANALYSIS DIVISION

NAME

Phuong Hoang Hwy. Bridge
Bridge No. 66 on NE 48-7

COUNTRY

North Vietnam

COORDINATES

18 13N - 106 04E
XF 138 146

BRIEF NO:

PIB 65322
February 1966

MAP

AMS L509

NE 48-7

LOCATION:

DESCRIPTION:

0.5 nm N. of Phuong Hoang on Route 1A

LENGTH

100' approx.

WIDTH

15' approx.

TYPE

Deck

MATERIAL

Wood and concrete

NO. OF SPANS

4 probable

LENGTH OF EACH SPAN

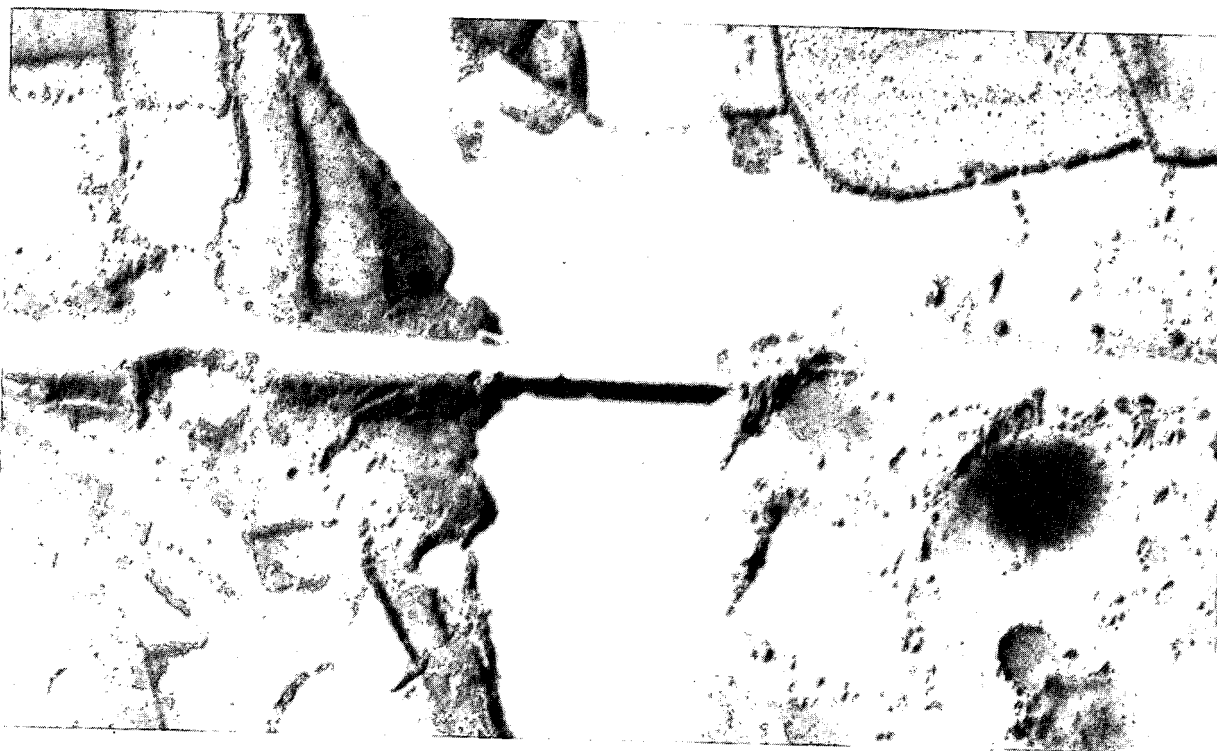
25' approx.

STATUS:

Deck has superficial damage; north abutment is heavily damaged.

COMPENSATIVE ACTION:

None



CONFIDENTIAL

CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Dien Chau R.R. Bridge on

COUNTRY

COORDINATES

Song Bang

18 58N - 105 35E

Bridge No. 6 on NE 48-7

North Vietnam

WF 613 978

25X1

BRIEF NO:

PIB 65323

MAP

AMS L509

NE 48-7

February 1966

LOCATION:

1.6 nm S.W. of Phu Dien Chau on the Hanoi-Vinh Rail Line

DESCRIPTION:

LENGTH

380' approx.

MATERIAL

Steel, concrete, and wood

WIDTH

20' approx.

NO. OF SPANS

8

TYPE

Half-through truss and
deck beam

LENGTH OF EACH SPAN

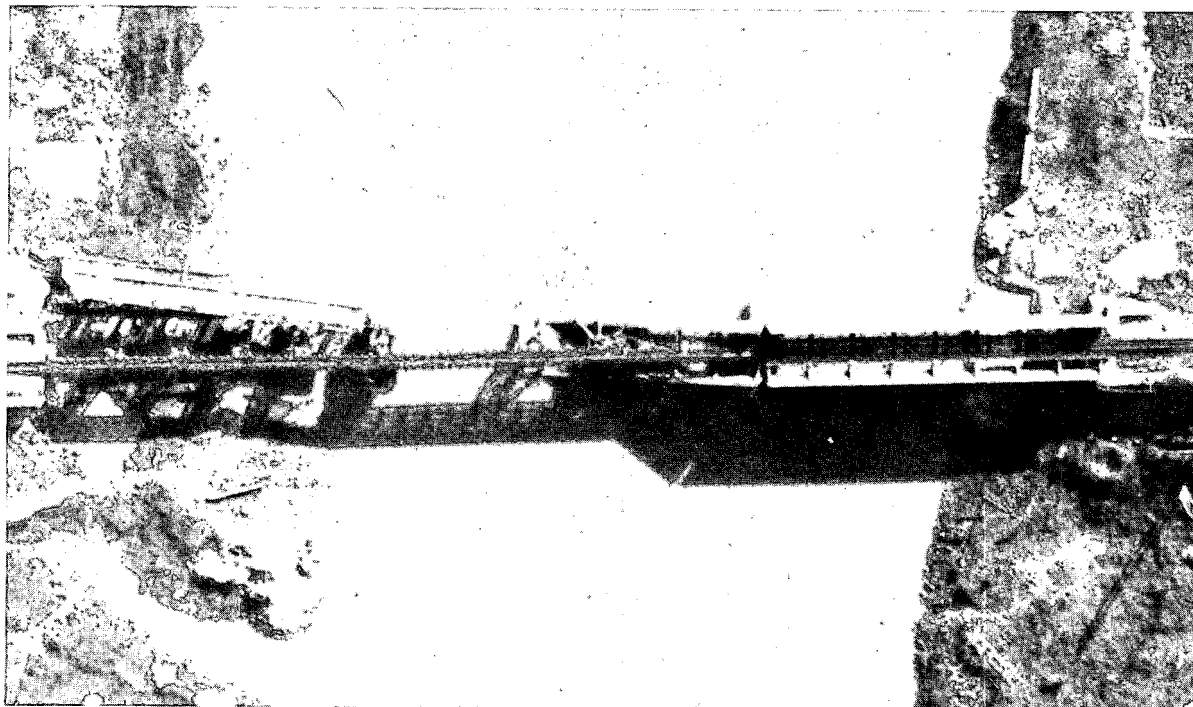
1 @ 130' approx., 2 @ 50' approx.
and 6 @ 25' approx.

STATUS:

One original half-through truss intact. Seven deck beam spans have replaced the two other destroyed half-through truss spans. The new spans are supported by two original concrete piers, 6 wooden towers, and an abutment.

COMPENSATIVE ACTION:

25X1

**CONFIDENTIAL**

GROUP 1

Excluded from automatic
downgrading and classification

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

25X1 NAME Sepone Hwy. Bridge over the Se Bang Hieng COUNTRY Laos COORDINATES 16 41N - 106 13E
Bridge No. 2L on NE 48-15 XD 301462

25X1 BRIEF NO: PIB 65324
April 1966

MAP AMS L509 NE 48-15

LOCATION: 1.4 nm WNW of Sepone on Route 9.

DESCRIPTION:

25X1 LENGTH 600' approx. MATERIAL Concrete and steel
WIDTH NO. OF SPANS 6
TYPE Through truss bridge LENGTH OF EACH SPAN 2 @ 80' approx., 2 @ 130' approx.
1 @ 110' approx., 1 @ 60' approx.

STATUS:
1 span damaged; 3 spans destroyed.

COMPENSATIVE ACTION:

One ford immediately north of bridge; one ford immediately south of bridge.

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

25X1

NAME La Trang Hwy. Bridge S.W. on
stream
Bridge No. 14 on NE 48-11

COUNTRY

North Vietnam

COORDINATES

17 50N - 105 47E
WE 841 729

25X1

BRIEF NO:

PIB 65325

February 1966

MAP

AMS L509

NE 48-11

LOCATION:

0.8 nm N. of Ba Nan on Route 15

DESCRIPTION:

LENGTH

40' approx.

MATERIAL

Wood

WIDTH

NO. OF SPANS

2 probable

TYPE

Deck

LENGTH OF EACH SPAN

20' approx.

25X1

STATUS:

Moderate to heavy damage to deck.

COMPENSATIVE ACTION:

Ford

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

NAME Ban Itak Hwy. Bridge Bridge No. 18L on NE 48-11	COUNTRY Laos	COORDINATES 17 39N - 105 10E WE 184521
25X1 MAP AMS JOG (A) 1501 NE 48-11		BRIEF NO: PIB 65326 March 1966
LOCATION: 0.9 nm N of Ban Itak on Route 8		

DESCRIPTION:

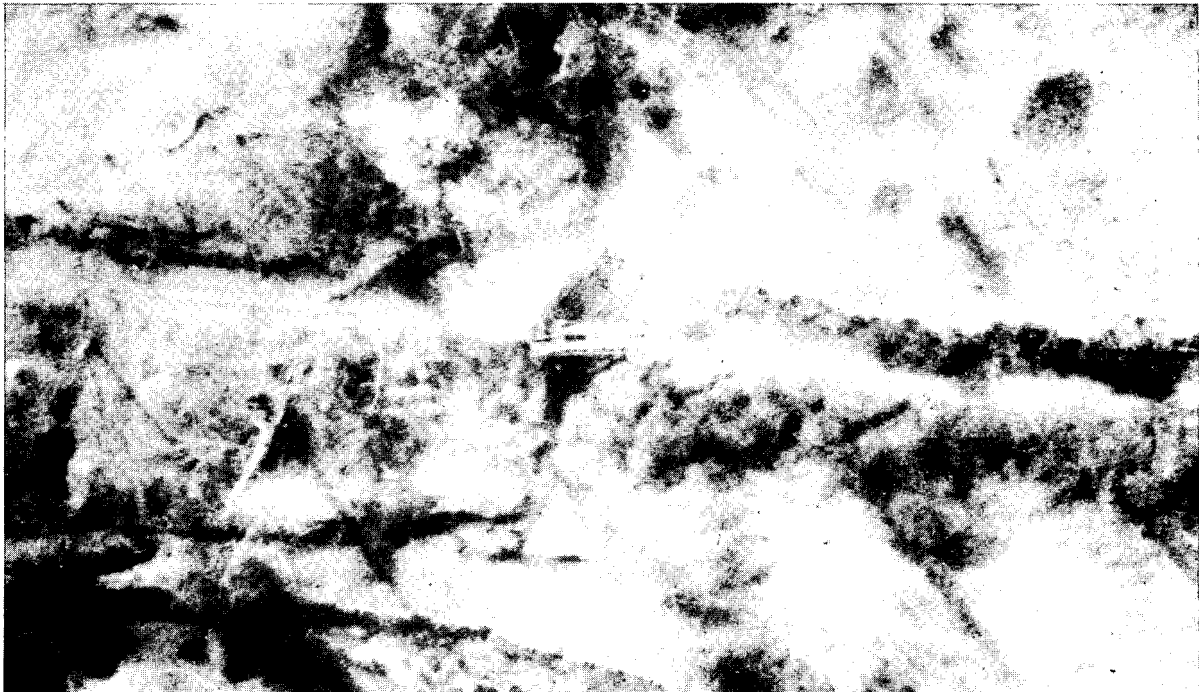
25X1	LENGTH WIDTH TYPE Deck	MATERIAL NO. OF SPANS LENGTH OF EACH SPAN	Timber 2 probable <div style="border: 1px solid black; width: 150px; height: 30px; display: inline-block;"></div>	25X1
------	---------------------------------	---	---	------

STATUS:

Severe deck damage. Probable abutment damage.

COMPENSATIVE ACTION:

None

~~CONFIDENTIAL~~

CONFIDENTIAL

CIA IMAGERY ANALYSIS DIVISION

25X1 NAME La Khe Thon R.R. Bridge over
Ngan Sau
Bridge No. 13 on NE 48-7

COUNTRY
North Vietnam

COORDINATES
18 03N - 105 49E
WE 876 975

25X1

BRIEF NO:
PIB 65327
February 1966

MAP AMS L509 NE 48-7

LOCATION:
DESCRIPTION: 0.8 nm S.E. of La Khe Thon on Vinh-Dong Hoi Rail Line

25X1 LENGTH
WIDTH 10' approx.
TYPE Trestle and half-thru truss

MATERIAL Steel, wood, concrete piers and
NO. OF SPANS 8
LENGTH OF EACH SPAN

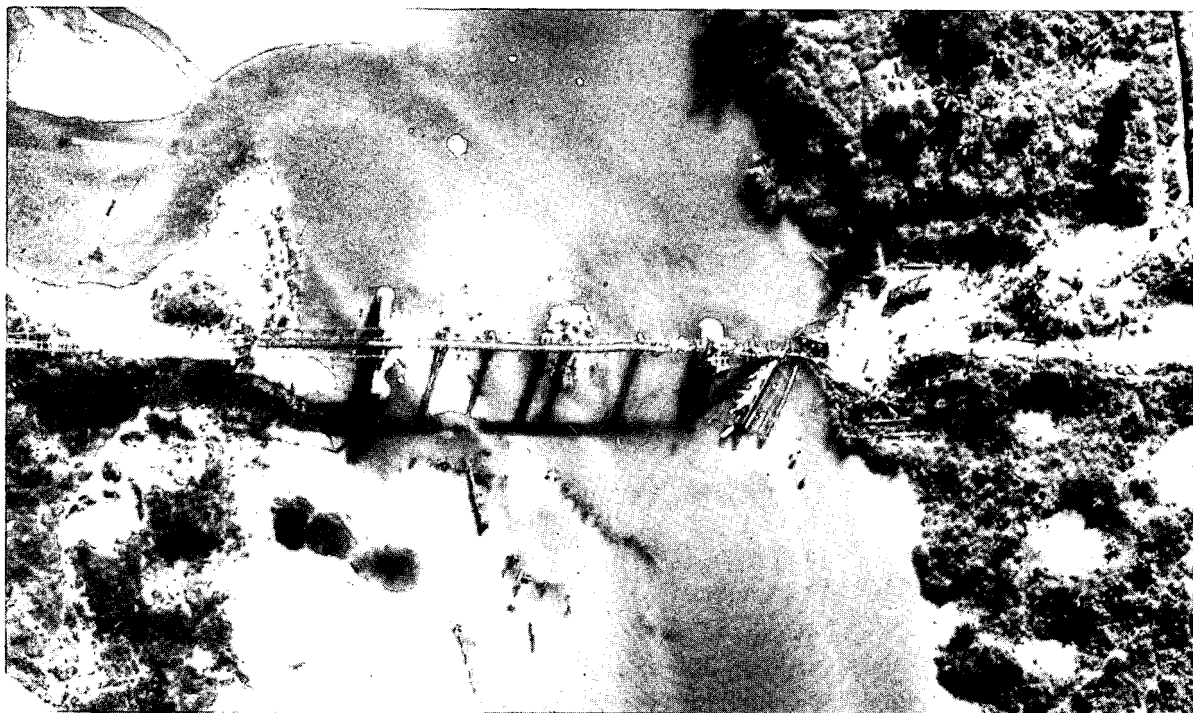
abutments

25X1

STATUS:
One span heavily damaged. One span out.

COMPENSATIVE ACTION: Rebuilding bridge at time of photography.

25X1

**CONFIDENTIAL**

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

NAME Trai Tranh Xom R.R. Bridge Bridge No. 69 on NE 48-7	COUNTRY North Vietnam	COORDINATES 18 05N - 105 48E WE 852 990
25X1 MAP AMS L509 NE 48-7		BRIEF NO: PIB 65328 February 1966

LOCATION:

0.6 nm S.W. of Trai Tranh Xom on Vinh-Dong Hoi Rail Line

DESCRIPTION:

LENGTH 55' approx.
 WIDTH 5' approx.
 TYPE Trestle

MATERIAL Wood and concrete
 NO. OF SPANS 1
 LENGTH OF EACH SPAN 55' approx.

STATUS:

Has been repaired and is now serviceable.

COMPENSATIVE ACTION:

None

25X1

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Bai Duc Thon R.R. Bridge

COUNTRY

COORDINATES

over Khe Ba Giang

Bridge No. 7 on NE 48-7

North Vietnam

18 03N - 105 50E

WE 886 964

25X1

BRIEF NO:

PIB 65329

February 1966

MAP AMS L509

NE 48-7

LOCATION:

0.5 nm N.W. of Bai Duc Thon on Vinh-Dong Hoi Rail Line

DESCRIPTION:

LENGTH 140' approx.

MATERIAL Steel and concrete

WIDTH 10' approx.

NO. OF SPANS 1

TYPE Through truss

LENGTH OF EACH SPAN

140' approx.

STATUS:

Serviceable

COMPENSATIVE ACTION:

Bridge has been repaired and now is serviceable.

25X1

~~CONFIDENTIAL~~GROUP 1
automatic
downgrading and declassification

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Ban Thay Hwy. Bridge over

COUNTRY

COORDINATES

Houei Acai

16 35N - 106 05E

Bridge No. 1L on NE 48-15

Laos

XD 161 342

25X1

BRIEF NO:

PIB 65330

MAP AMS L509 NE 48-15

February 1966

LOCATION:

1.2 nm N.E. of Ban Thay on Route 9

DESCRIPTION:

LENGTH 75' approx.

MATERIAL Timber probable

WIDTH 10' approx.

NO. OF SPANS 3 probable

TYPE Deck

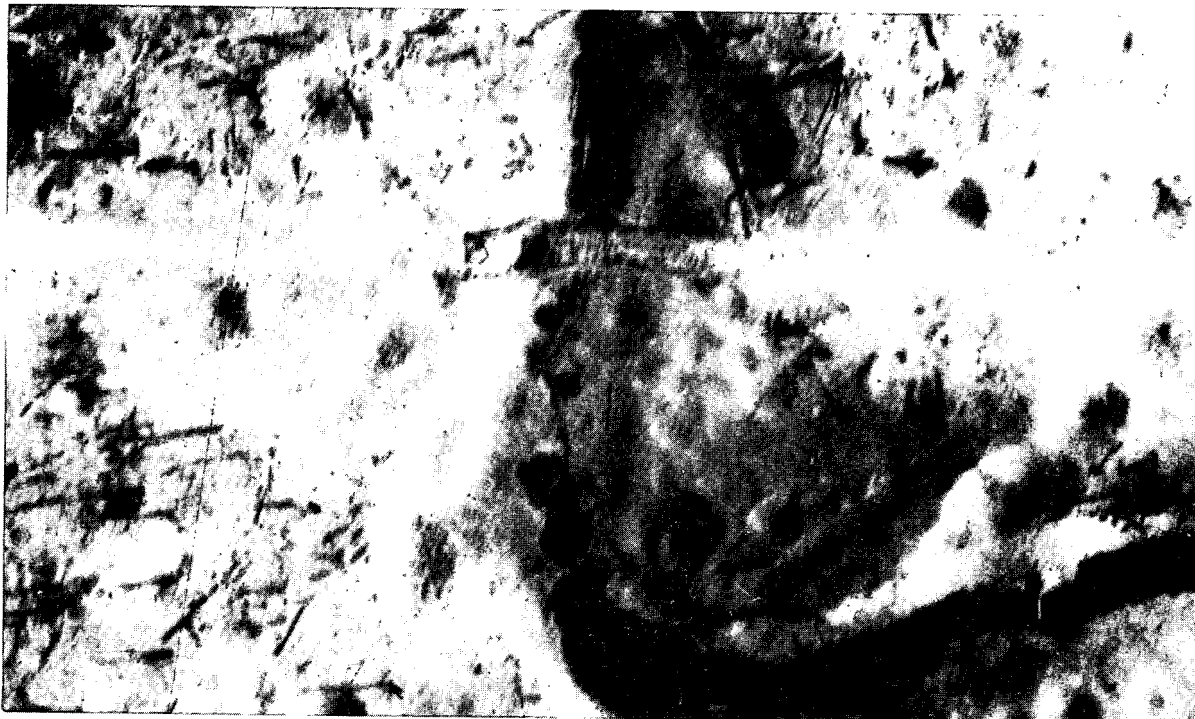
LENGTH OF EACH SPAN 25' approx.

STATUS:

Heavily damaged; unserviceable.

COMPENSATIVE ACTION:

None

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

25X1 NAME Tam Da R.R. and Hwy. Bridge over Song Cau Lo COUNTRY North Vietnam COORDINATES 18 50N - 105 39E
WF 689 840

25X1 BRIEF NO: PIB 65331
February 1966

MAP AMS L509 NE 48-7

LOCATION: 2.3 nm N.E. of Tam Da on Hanoi-Vinh Rail Line

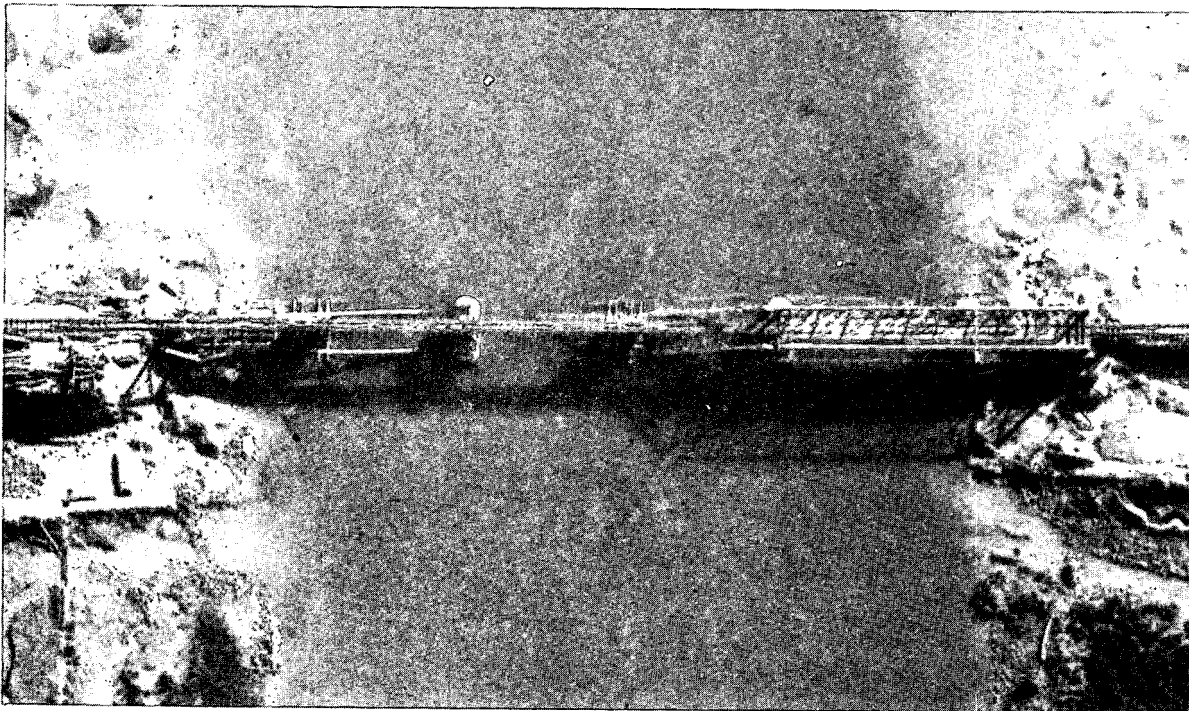
DESCRIPTION: 380' approx. MATERIAL Steel and concrete

25X1 LENGTH 380' approx. NO. OF SPANS 5
WIDTH LENGTH OF EACH SPAN 1 @ 140' approx., 4 @ 60' approx.
TYPE Half-through truss and deck beam

STATUS: One original half-through truss intact, four deck beam spans have replaced the other two destroyed spans. The four new spans are supported by two original concrete piers, two new probable concrete piers and an abutment;

COMPENSATIVE ACTION: bridge is serviceable.

Bridge is now being used for rail only, a pontoon bridge located approximately 1000' W. now serves as the highway bridge.

25X1 ~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Ban Nhommarath Keo Hwy.	COUNTRY		COORDINATES
	Bridge on Stream	<input type="text"/>			17 36N - 105 10E
25X1	Bridge No. 9L on NE 48-11		LAOS		WE 187 460
					BRIEF NO:
	MAP	AMS LOG 1501	NE 48-11		PIB 65332
					February 1966

LOCATION: At the south edge of Ban Nhommarath Keo on Route 8.

25X1	DESCRIPTION:	<input type="text"/>	MATERIAL	Steel and wood
	LENGTH	<input type="text"/>	NO. OF SPANS	5
	WIDTH	10' approx.	LENGTH OF EACH SPAN	<input type="text"/>
	TYPE	Deck		

25X1

STATUS:

Pre-strike

COMPENSATIVE ACTION:

25X1

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

25X1 NAME Ban Nhommarath Keo Hwy. Bridge over stream COUNTRY Laos COORDINATES 17 30N - 105 10E WE 187 460

25X1 BRIEF NO: PIB 65333 February 1966

MAP AMS JOG 1501 NE 48-11

LOCATION:

25X1 DESCRIPTION: At the south edge of Ban Nhommarath Keo on Route 8

LENGTH
WIDTH
TYPE

10' approx.
Deck

MATERIAL Steel and wood
NO. OF SPANS 5
LENGTH OF EACH SPAN

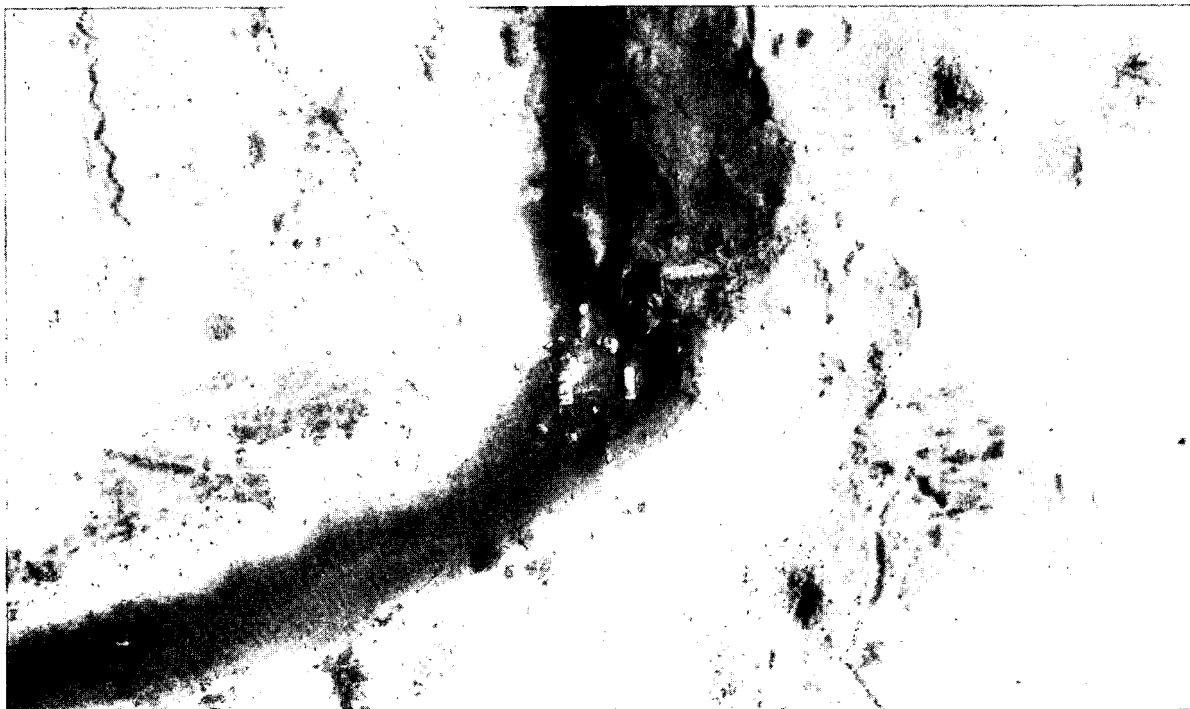
25X1

STATUS:

5 spans dropped. Approaches interdicted.

COMPENSATIVE ACTION:

Probable ford.

25X1 ~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Qui Trinh Hwy. Bridge

COUNTRY

COORDINATES

Bridge No. 13 on NE 48-12

North Vietnam

17 12N - 106 43E

XE 830034

25X1

BRIEF NO:

PIB 65334

March 1966

MAP AMS L509

NE 48-12

LOCATION: 0.4 nm SW of Qui Trinh on Route 101

DESCRIPTION:

LENGTH

60' approx.

MATERIAL Concrete

WIDTH

NO. OF SPANS

2

TYPE

Deck

LENGTH OF EACH SPAN

30' approx.

25X1

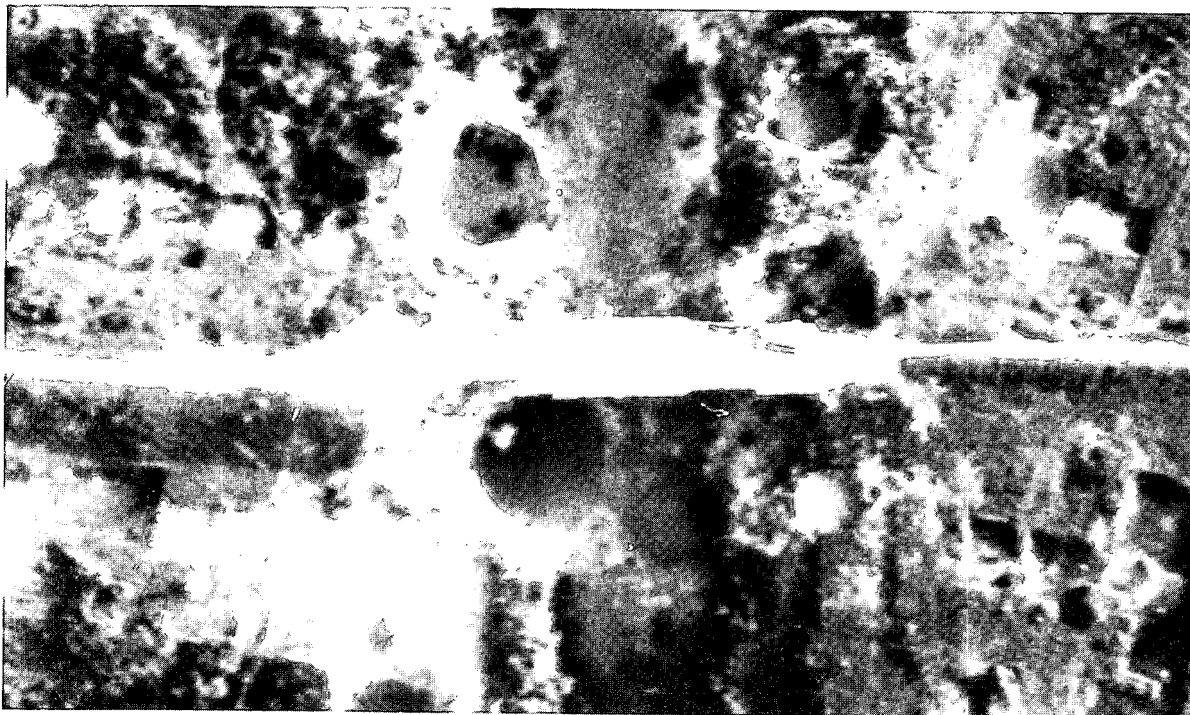
STATUS:

Deck moderately damaged; light damage to abutments.

COMPENSATIVE ACTION:

Bridge formerly was not serviceable. Approaches have been rebuilt and deck repaired to make bridge serviceable.

25X1

~~CONFIDENTIAL~~GROUP 1
automatic
downgrading and declassification

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Ban Na Ngam Hwy. Bridge over Nam Youm <input type="text"/> Bridge No. 14 on NF 48-9	COUNTRY	North Vietnam	COORDINATES	21 27N - 103 04E TJ 999757
					BRIEF NO:	PIB 65335 March 1966
25X1	MAP	AMS I509	NF 48-9			
LOCATION: 0.8 nm W of Ban Pan Yang on Route 19;						

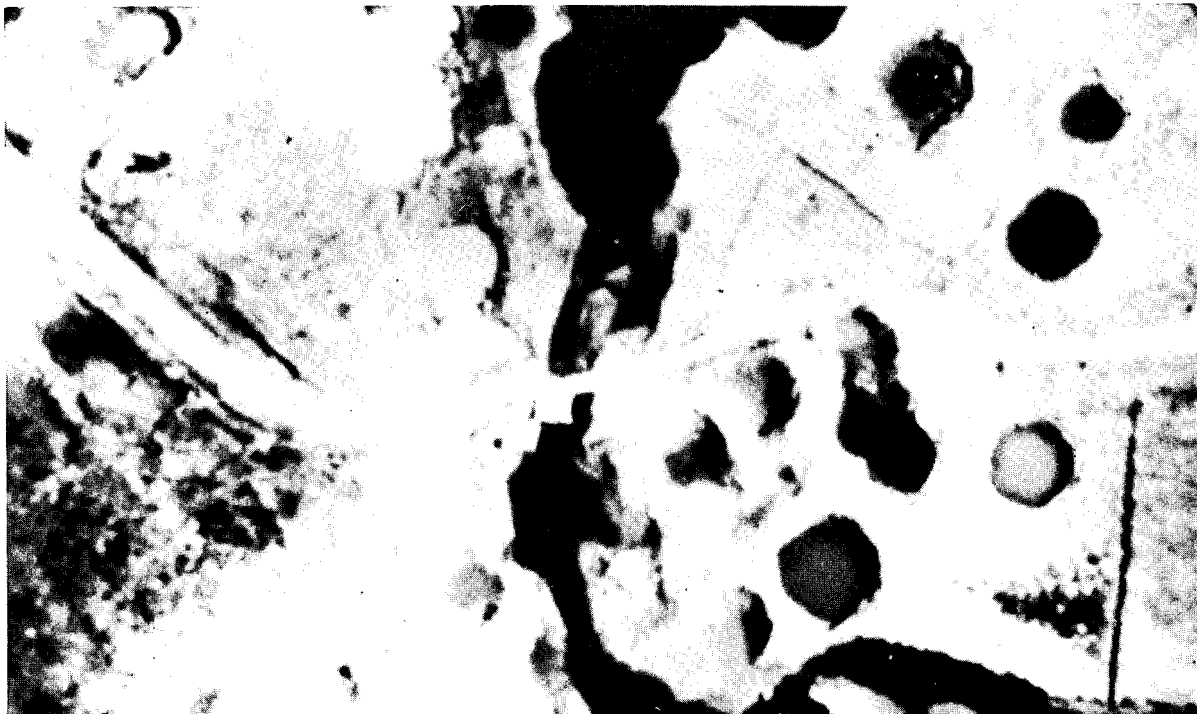
DESCRIPTION:

25X1	LENGTH	75'	MATERIAL	Concrete
	WIDTH	<input type="text"/>	NO. OF SPANS	1
	TYPE	Deck	LENGTH OF EACH SPAN	75'

STATUS:

Destroyed and reconstructed.

COMPENSATIVE ACTION:

25X1 ~~CONFIDENTIAL~~GROUP 1
Excluded from automatic
downgrading and
declassification

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

NAME Ban Tao Hwy. Bridge Bridge No. 5 on NF 48-9	COUNTRY North Vietnam	COORDINATES 21 27N - 103 04E TJ 999757
MAP AMS L509 NF 48-9		BRIEF NO: PIB 65335 September 1966

LOCATION: 0.8 nm W of Ban Pan Yang on Route 19.

DESCRIPTION:

LENGTH 75' approx.
WIDTH
TYPE Deck

MATERIAL Concrete
NO. OF SPANS 1
LENGTH OF EACH SPAN 75' approx.

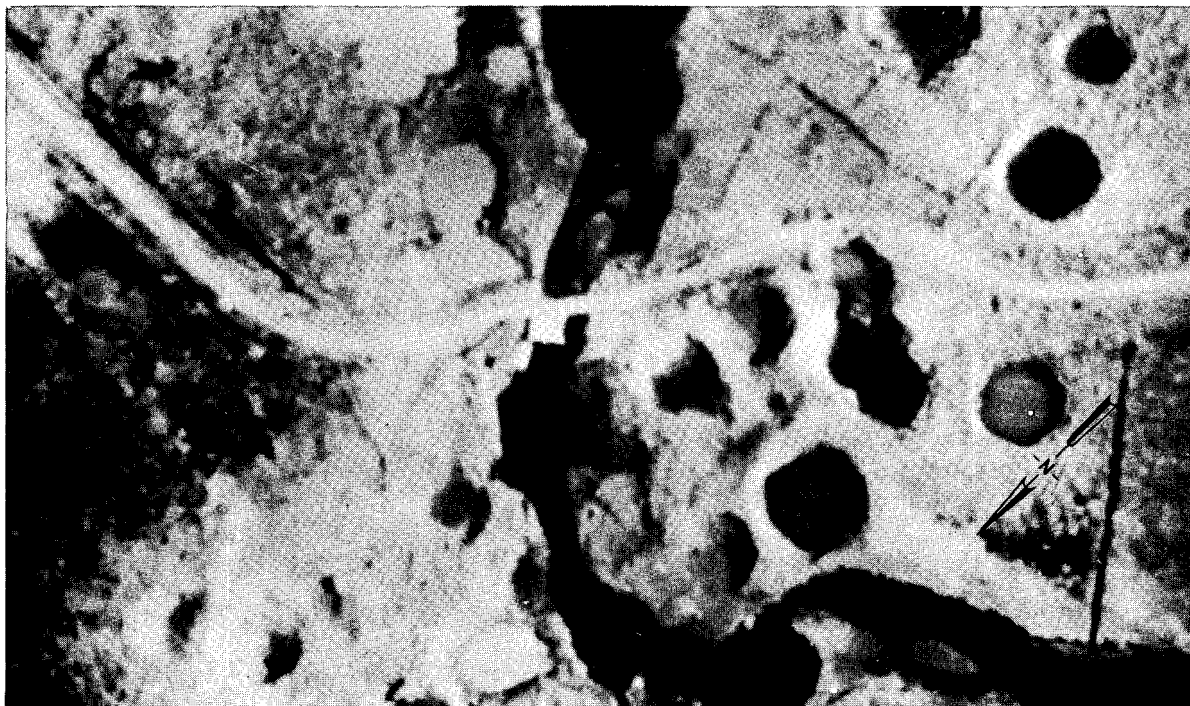
STATUS:

Span dropped; abutments intact.

COMPENSATIVE ACTION:

By-pass road and rock-fill causeway.

NOTE: This PIB replaces PIB 65335 dated January 1966 (Destroy all copies).

~~CONFIDENTIAL~~

GROUP 1
Excluded from automatic
downgrading and
declassification

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ban Nahai Hwy. Bridge Bridge No. 10L on NE 48-11	Laos	17 33N - 105 15E WE 260411
BRIEF NO:		
PIB - 65336		
February 1966		
MAP	AMS JOG (A) 1501	NE 48-11

LOCATION: 1.0 nm NW of Ban Nahai on Route 12

DESCRIPTION:

LENGTH 55' approx.
 WIDTH 10' approx.
 TYPE Deck

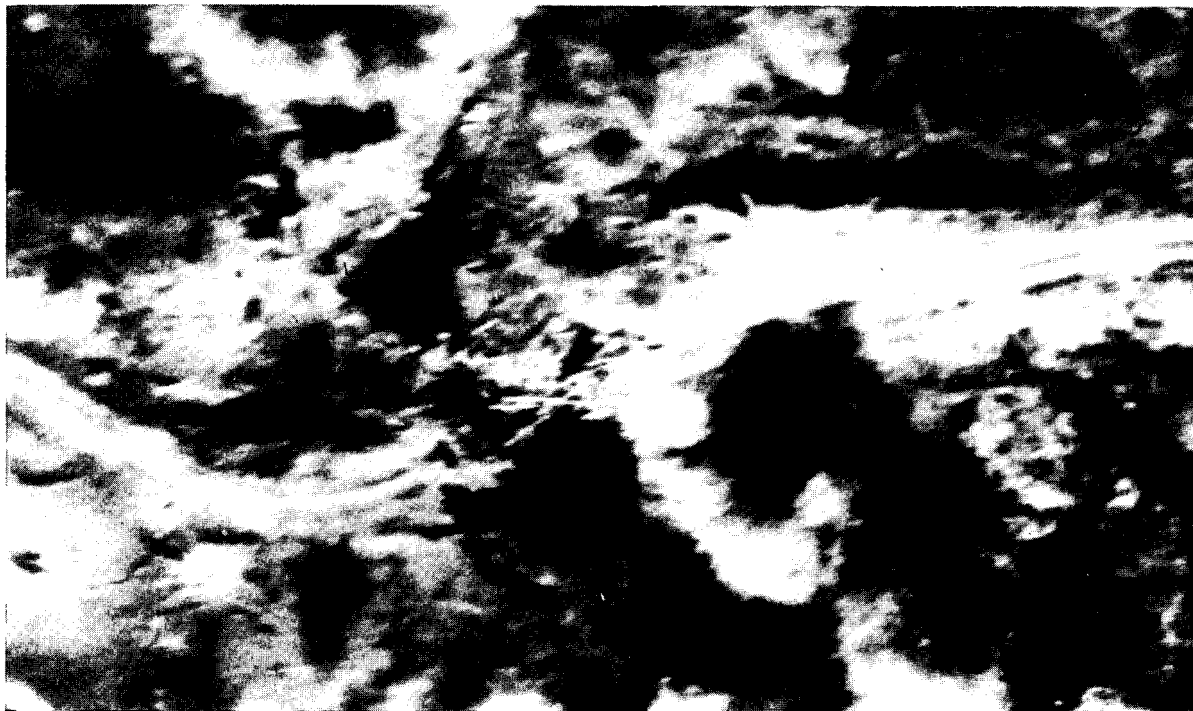
MATERIAL Wood
 NO. OF SPANS 1
 LENGTH OF EACH SPAN 55'

STATUS:

Completely destroyed

COMPENSATIVE ACTION:

By-pass ford to south

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Xom Duong Dau Hwy. Bridge over Khe Ac <input type="text"/> Bridge No. 68 on NE 48-7	COUNTRY	North Vietnam	COORDINATES	18 08N - 105 45E WF 782 060
	MAP	AMS 1509	NE 48-7		BRIEF NO:	PIB 65337 February 1966
25X1	LOCATION:	0.1 nm W. of Duong Dau on Route 15				
25X1	DESCRIPTION:					
	LENGTH	90' approx.	MATERIAL	Wood and concrete		
	WIDTH	<input type="text"/>	NO. OF SPANS	3		
	TYPE	Deck	LENGTH OF EACH SPAN	30' approx.		
	STATUS:	Reconstructed and is serviceable.				

COMPENSATIVE ACTION:

25X1

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Hou Bang Hwy. Bridge Bridge No. 3 on NE 48-7	North Vietnam	18 31N - 105 29E WF 513468
		BRIEF NO:
		PIB 65338 March 1966
MAP	AMS L509	NE 48-7

LOCATION: 0.5 nm SE of Hou Bang on Route 8

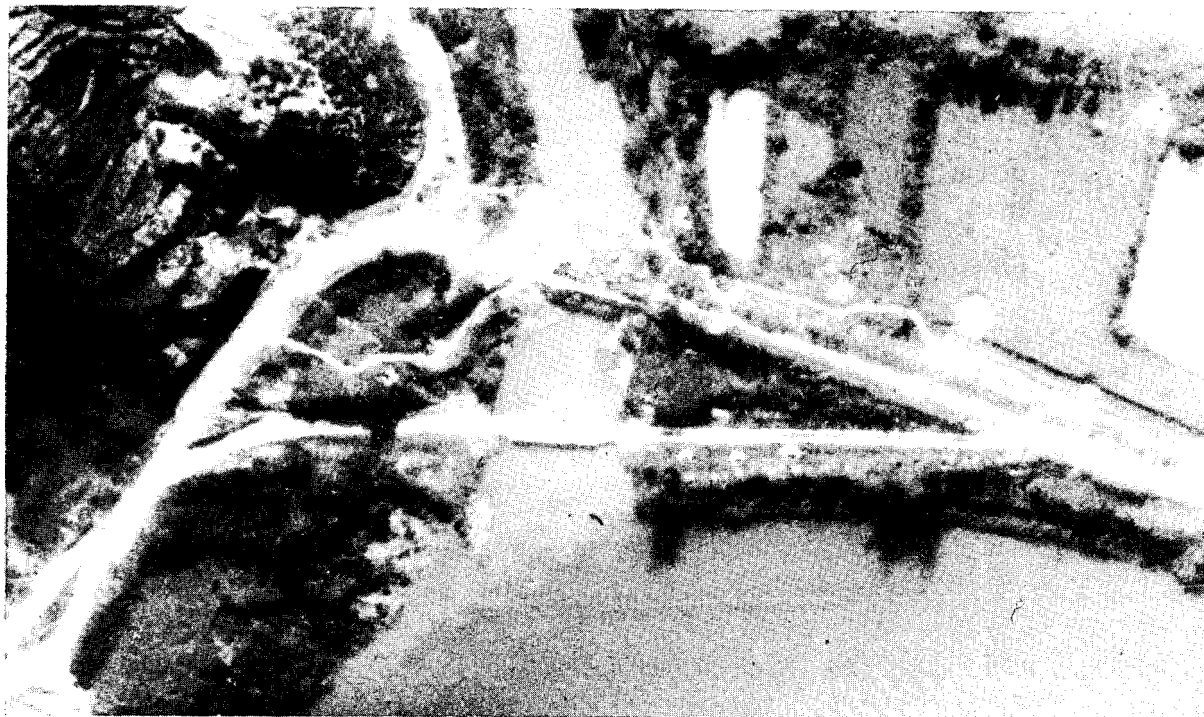
DESCRIPTION:

LENGTH	160' approx.	MATERIAL	Steel, wood and concrete
WIDTH	15' approx.	NO. OF SPANS	2
TYPE	Deck	LENGTH OF EACH SPAN	80' approx.

STATUS: Bridge destroyed (converted to foot bridge)

COMPENSATIVE ACTION: New bridge

25X1

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Ban Khe Chai Hwy. Bridge NE

COUNTRY

COORDINATES

Bridge No. 19 on NE 48-2

North Vietnam

19 04N - 104 50E
VG 825 079

25X1

BRIEF NO:

PIB 65339

March 1966

MAP AMS L509 NE 48-2

LOCATION: 0.4 nm NE of Ban Khe Chai on Route 7

DESCRIPTION:

LENGTH 75' approx.

MATERIAL Steel and concrete

WIDTH 10' approx.

NO. OF SPANS 1

TYPE Half through truss

LENGTH OF EACH SPAN 75' approx.

STATUS:

Span damaged.

COMPENSATIVE ACTION:

Span has been reinforced; ford.

25X1

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Lang Khay RR. Bridge over Nam Linh <input type="text"/> Bridge No. 9 on NF 48-6	COUNTRY North Vietnam	COORDINATES 22 02N - 104 30E VK 490373
--	--------------------------	--

25X1

<input type="text"/>		BRIEF NO: PIB 65340 March 1966
MAP AMS L509	NF 48-6	

LOCATION: 0.7 nm E of L. Ngoi Nieou on Hanoi-Lao Cai Rail Line

DESCRIPTION:

25X1

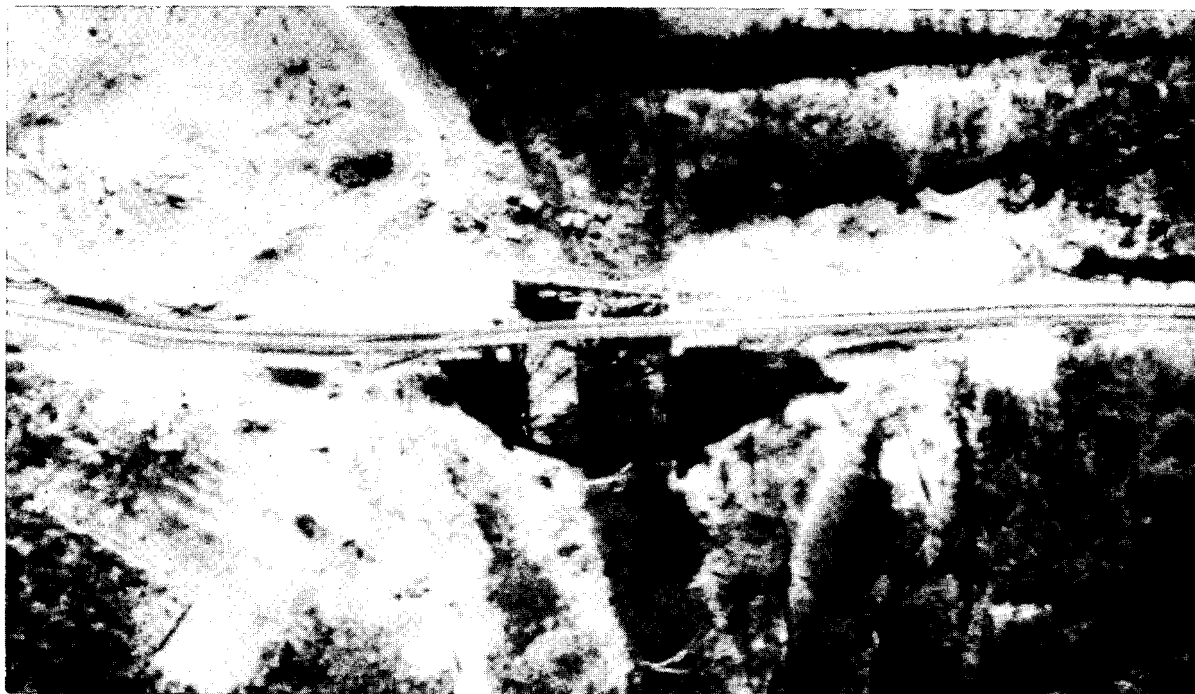
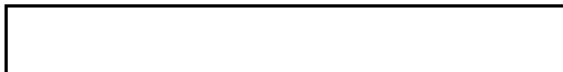
LENGTH 60' approx.
WIDTH
TYPE Half-through truss

MATERIAL Wood and steel
NO. OF SPANS 2
LENGTH OF EACH SPAN 30' approx.

STATUS: Completely destroyed

COMPENSATIVE ACTION: New deck type bridge with lattice tower supports replaces destroyed bridge.

25X1

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Kim Nac Hwy. Bridge

COUNTRY

COORDINATES

Bridge No. 23 on NE 48-7

North Vietnam

18 13N - 106 02E

XF 100155

25X1

BRIEF NO:

PIB 65341

February 1966

MAP AMS L509

NE 48-7

LOCATION: 0.3 nm NE of Kim Nac on Route 1A

DESCRIPTION:

LENGTH 90' approx.

MATERIAL Wood

WIDTH 10' approx.

NO. OF SPANS 2

TYPE Deck

LENGTH OF EACH SPAN 45' approx.

STATUS:

Bridge has been repaired

COMPENSATIVE ACTION:

25X1

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Don Cay Hwy. Bridge Bridge No. 61 on NE 48-7	North Vietnam	18 25N - 105 42E WF 738365
		BRIEF NO:
		PIB 65342 March 1966
MAP	AMS L509	NE 48-7

LOCATION: 0.5 nm SE of Don Cay on Route 82

DESCRIPTION:

LENGTH 140' approx.
 WIDTH 10' approx.
 TYPE Deck

MATERIAL Wood
 NO. OF SPANS 5
 LENGTH OF EACH SPAN

1 - 50' approx.
 3 - 20' approx.
 1 - 30' approx.

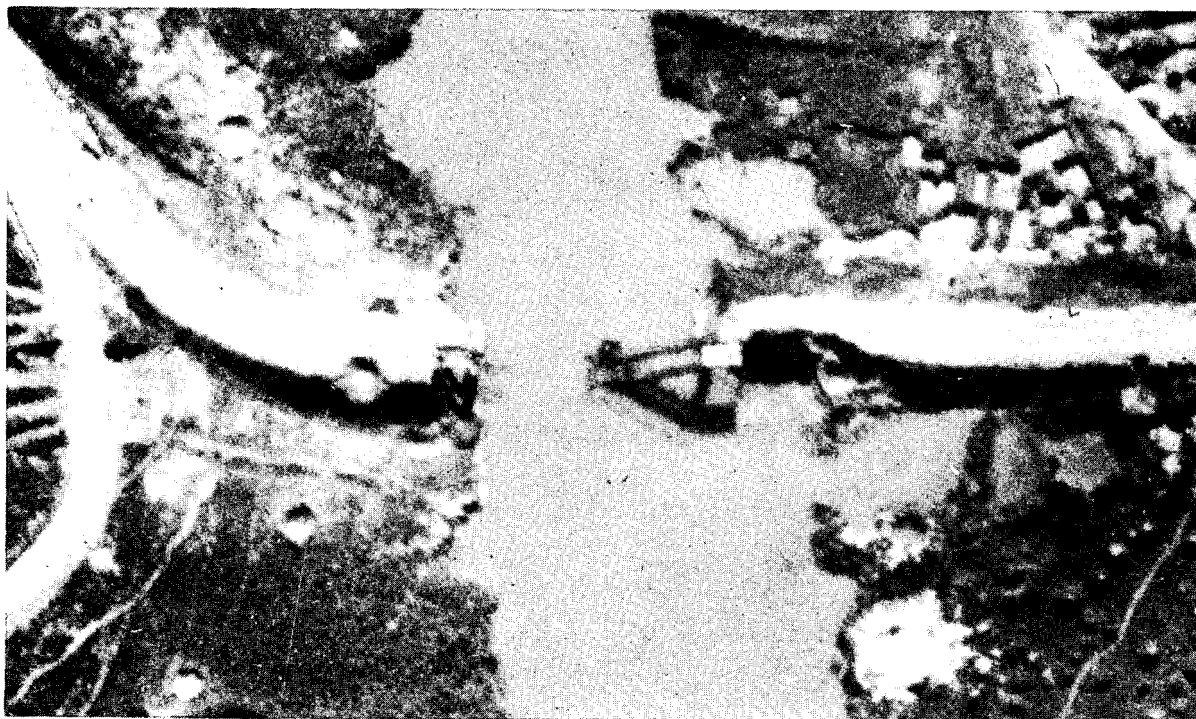
STATUS:

Four spans destroyed, one span dropped; two piers destroyed.

COMPENSATIVE ACTION: Two by-pass causeways

25X1

25X1

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Ban Bounng Bau Hwy. Bridge

COUNTRY

COORDINATES

Bridge No. 12L on NE 48-11

Laos

17 34N - 105 14E
WE 241424

25X1

BRIEF NO:

PIB 65343
March 1966

MAP

JOG (A) 1501

NE 48-11

LOCATION: 0.1 nm W of Ban Bounng Bau on Route 12

DESCRIPTION:

LENGTH

250' approx.

MATERIAL

Steel and concrete

WIDTH

NO. OF SPANS

3

TYPE

Probable half through
truss

LENGTH OF EACH SPAN

2 - 45' approx.

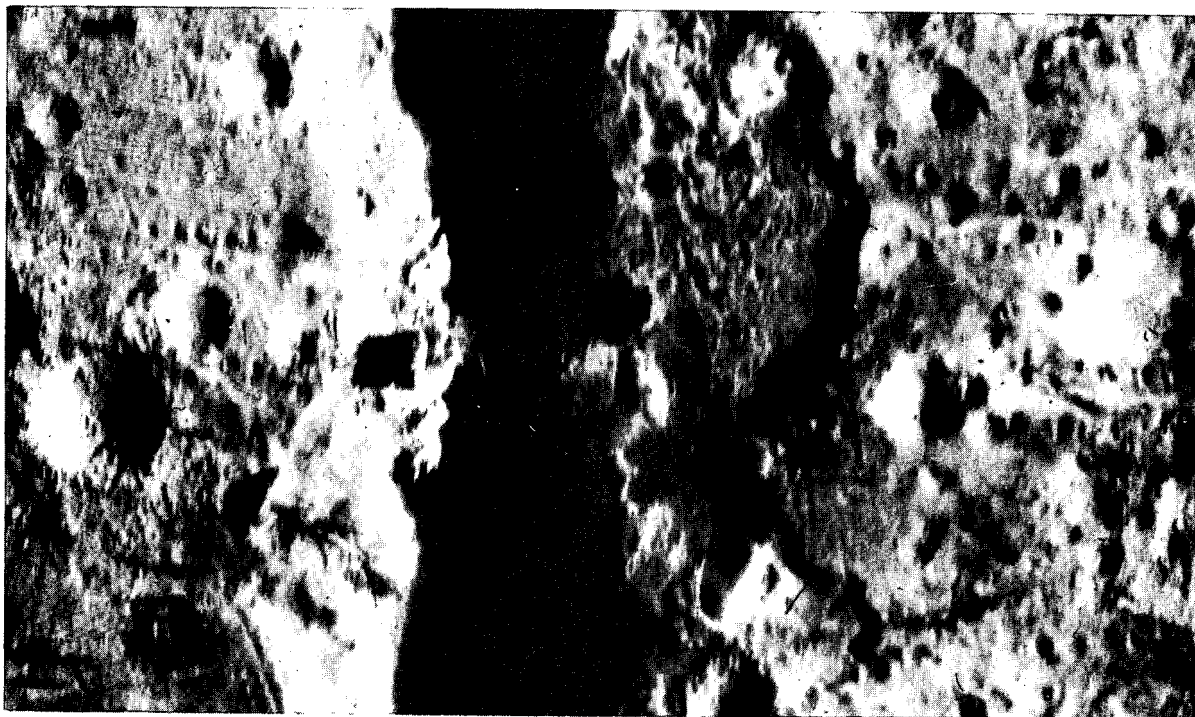
25X1

STATUS:

Heavily damaged - one pier intact.

COMPENSATIVE ACTION:

None

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Dia Linn Hwy. Bridge Bridge No. 55 on NE 48-7	North Vietnam	18 18N - 105 43E WF 764 246
25X1		BRIEF NO: PIB 65344 February 1966
MAP	AMS L509	NE 48-7

LOCATION:

5.8 nm E.N.E. of Dia Linn on Route 15

DESCRIPTION:

LENGTH
WIDTH
TYPE

Deck

MATERIAL Wood
NO. OF SPANS 3
LENGTH OF EACH SPAN

25X1

STATUS:

Reconstructed - fully serviceable.

COMPENSATIVE ACTION:

By-pass ford to south

25X1

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

25X1

CIA IMAGERY ANALYSIS DIVISION		
NAME Ban I. Lane Hwy. Bridge Bridge No. 11L on NE 48-11	COUNTRY Laos	COORDINATES 17 30N - 105 21E WE 372352
MAP JOG (A) 1501 NE 48-11		BRIEF NO: PIB 65345 March 1966
LOCATION: 1.2 nm NE of Ban I. Lane on Route 12		

DESCRIPTION:

LENGTH 60' approx.
 WIDTH 10' approx.
 TYPE Deck

MATERIAL Wood
 NO. OF SPANS 2
 LENGTH OF EACH SPAN

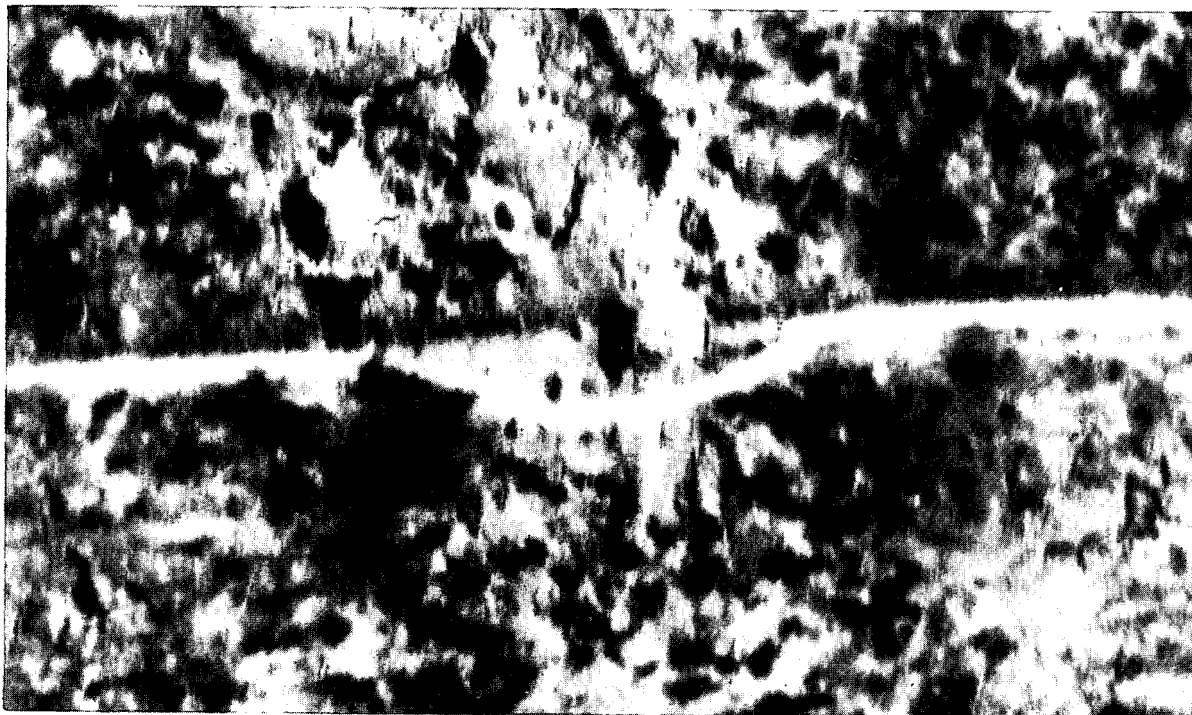
20' approx.

STATUS:

Completely destroyed

COMPENSATIVE ACTION:

Ford

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

NAME Lang Ban Hwy. Bridge Bridge No. 85 on NE 48-7	COUNTRY North Vietnam	COORDINATES 18 19N - 105 45E WF 809262
MAP AMS L509 NE 48-7		BRIEF NO: PIB 65346 March 1966

25X1

LOCATION: 3.0 nm W of Lang Ban on Route 152

DESCRIPTION:

LENGTH 15' approx.
 WIDTH 15' approx.
 TYPE Arch

MATERIAL Concrete probable
 NO. OF SPANS 1
 LENGTH OF EACH SPAN 15' approx.

STATUS:

Abutment damaged severely

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ban Khouam Pho Hwy. Bridge Bridge No. 14L on NE 48-11	Laos	17 29N - 105 25E WE 444 340
		BRIEF NO:
		PIB 65347
MAP	AMS JOG 1501	February 1966

25X1

LOCATION:

0.5 nm S.W. of Ban Khoum Pho on Route 12

DESCRIPTION:

LENGTH 30' approx.

MATERIAL Timber

WIDTH 10' approx.

NO. OF SPANS 2

TYPE Deck

LENGTH OF EACH SPAN 15' approx.

STATUS:

Destroyed

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ban Bo Hwy. Bridge Bridge No. 15L on NE 48-11	Laos	17 33N - 105 25E WE 450 410
		BRIEF NO:
		PIB 65348
		February 1966
MAP	AMS JOG 1501	NE 48-11

25X1

LOCATION:

2.0 nm S. of Ban Bo on Route 12

DESCRIPTION:

LENGTH

40' approx.

MATERIAL

Timber

WIDTH

10' approx.

NO. OF SPANS

2 probable

TYPE

Deck

LENGTH OF EACH SPAN

20' approx.

STATUS:

Destroyed

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

NAME Ban Nado Hwy. Bridge Bridge No. 3L on NE 48-15	COUNTRY Laos	COORDINATES 16 42N - 106 12E XD 282466
25X1 <div style="border: 1px solid black; width: 500px; height: 20px;"></div>		BRIEF NO: PIB 65349 March 1966
MAP AMS JOG (A) 1501	NE 48-15	
LOCATION: 2.5 nm SE of Ban Nado on Route 9		

DESCRIPTION:

25X1 LENGTH 210' approx.
 WIDTH
 TYPE Deck

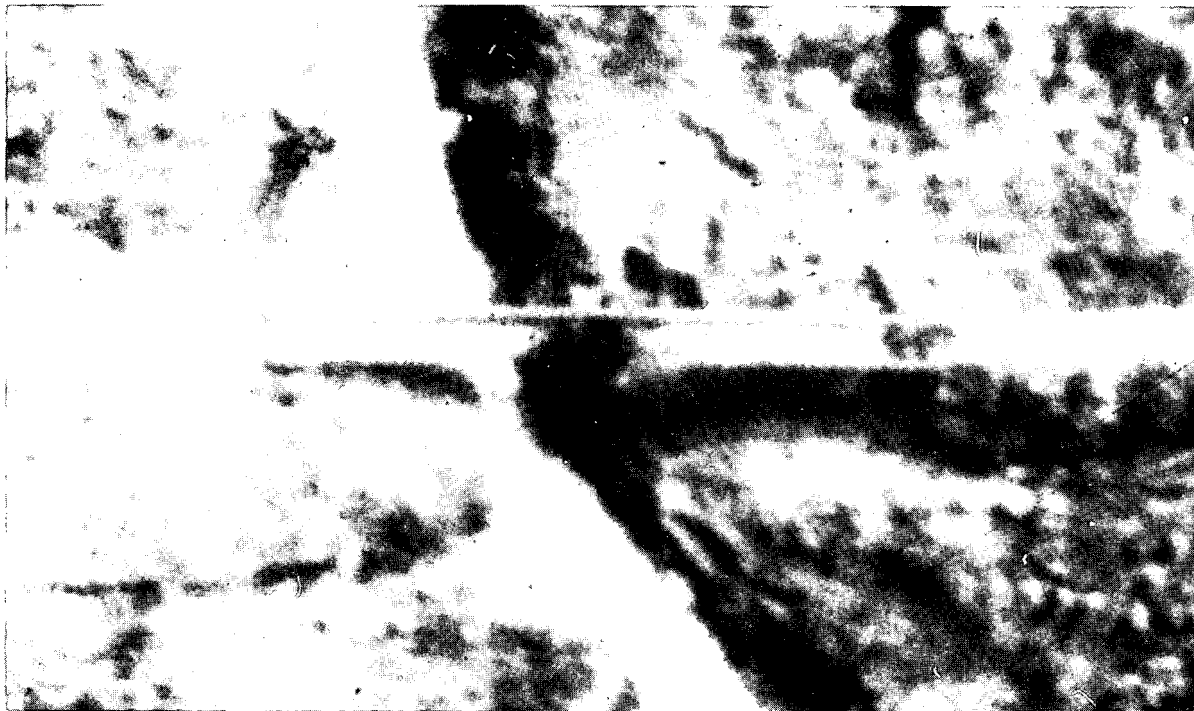
MATERIAL Timber decking and steel beams probable
 NO. OF SPANS 3 probable
 LENGTH OF EACH SPAN 70' approx.

STATUS:

Heavy damage to 2 spans

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Ban Same Ala Hwy. Bridge

COUNTRY

COORDINATES

Bridge No. 1L on NE 48-16

Laos

16 37N - 106 32E
XD 623 380

25X1

BRIEF NO:

PTB 65350

February 1966

MAP

AMS JOG 1501

NE 48-16

LOCATION:

0.7 nm E. of Ban Same Ala on Route 9

DESCRIPTION:

LENGTH

50' approx.

MATERIAL

Timber probable

WIDTH

10' approx.

NO. OF SPANS

2 probable

TYPE

Deck probable

LENGTH OF EACH SPAN

25' approx.

STATUS:

Destroyed

COMPENSATIVE ACTION:

Probable ford



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GROUP 1
Excluded from automatic
downgrading and
declassification

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

25X1

25X1

NAME	Ban I Lane Hwy. Bridge over gully Bridge No. 136 on NE 48-11	COUNTRY	Laos	COORDINATES	17 30N - 105 19E WE 339 354
MAP	AMS 1509	NE 48-11	BRIEF NO: PIB 65351 February 1966		

LOCATION:

1.4 nm N.W. of Ban I Lane on Route 12

DESCRIPTION:

LENGTH 50' approx.
 WIDTH 10' approx.
 TYPE Deck

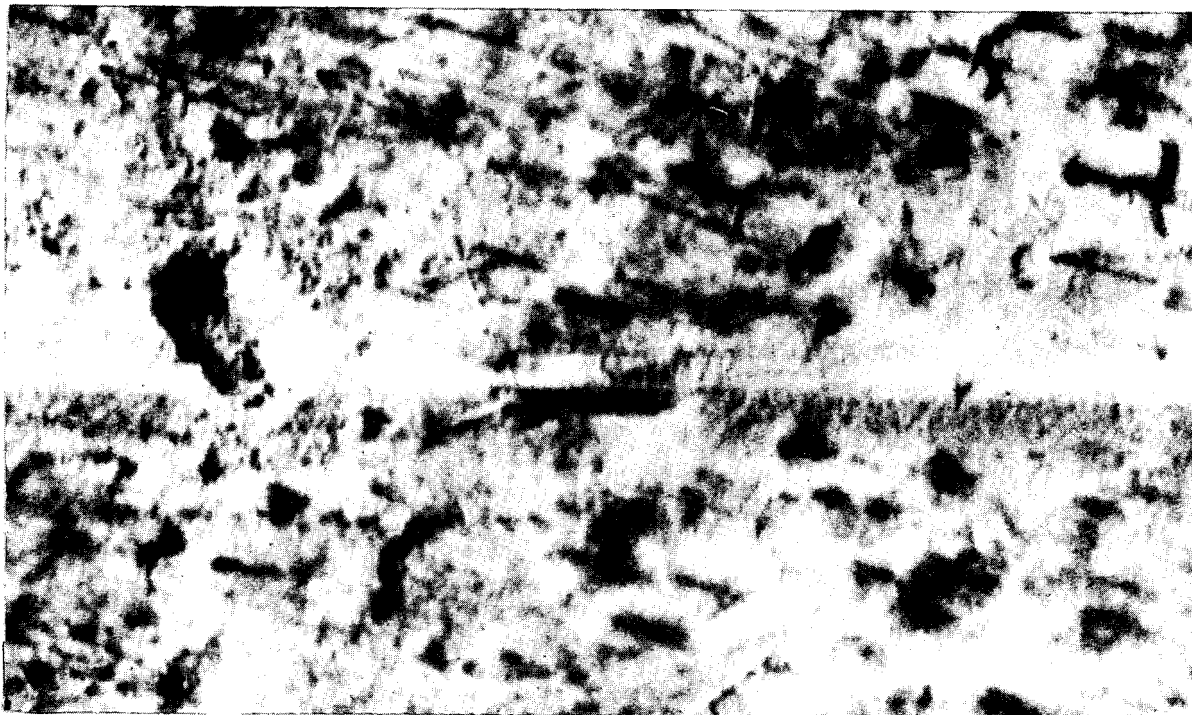
MATERIAL Timber
 NO. OF SPANS 2 span probable
 LENGTH OF EACH SPAN 25' approx.

STATUS:

Deck and abutment heavily damaged.

COMPENSATIVE ACTION:

None

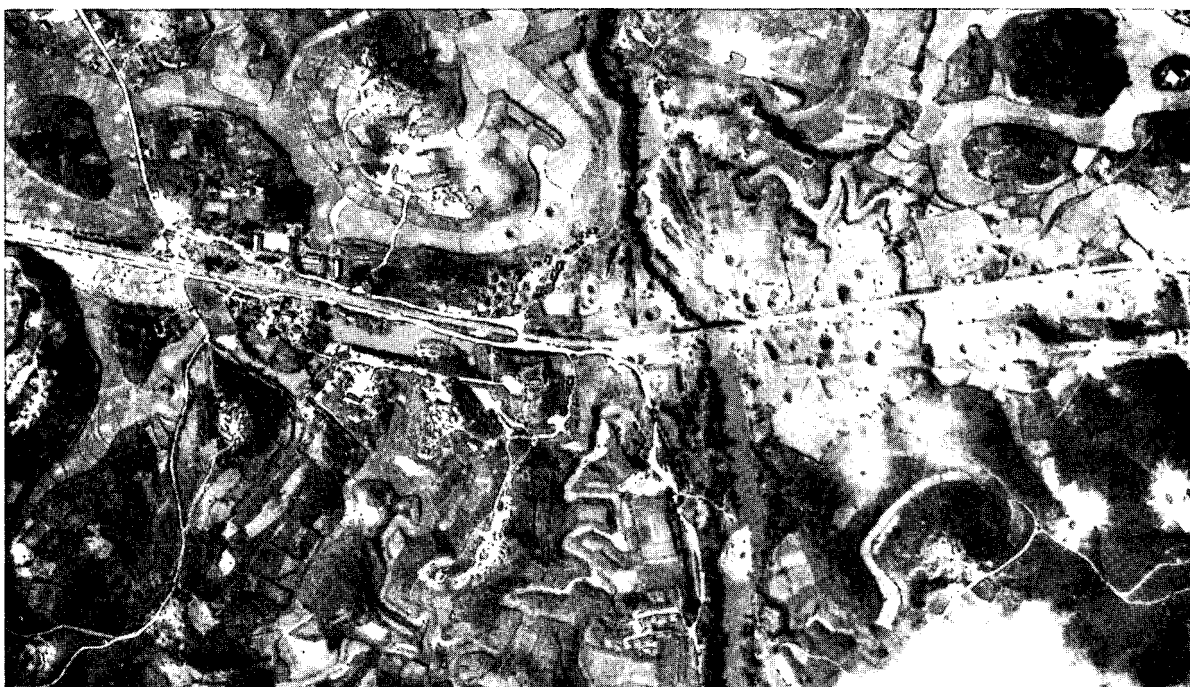
~~CONFIDENTIAL~~

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25X1

CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Cao Nung RR. Bridge over Song Hoa [REDACTED] Bridge No. 2 on NF 48-12	COUNTRY	North Vietnam	COORDINATES	21 33N - 106 29E XJ 554845	
	MAP	AMS L509	NF 48-12	BRIEF NO: PIB 65352 March 1966			
25X1	LOCATION:	0.4 nm SE of Cao Nung on the Hanoi-Dong Dang RR.					
25X1	DESCRIPTION:	[REDACTED]				MATERIAL	Steel, concrete, and timber
	LENGTH	[REDACTED]	NO. OF SPANS	3	LENGTH OF EACH SPAN	1 @ 70' approx., 1 @ 60' approx. 1 @ 45' approx.	
	WIDTH	[REDACTED]					
	TYPE	Deck					
	STATUS:	Bridge consists of one original 70' steel/concrete deck span, one 45' and one 60' probable timber replacement spans; bridge is serviceable.					
	COMPENSATIVE ACTION:	[REDACTED]					
25X1	[REDACTED]						

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25X1

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ban Na Noi Hwy. Bridge Bridge No. 1L on NE 48-6	Laos	18 11N - 104 54E VF 900 110
[REDACTED]		BRIEF NO:
MAP		PIB 65353
AMS JOG 1501	NE 48-6	February 1966

LOCATION:

0.6 nm S. of Ban Na Noi on Route 81

DESCRIPTION:

LENGTH

WIDTH

TYPE

10' approx.

Deck probable

MATERIAL

Wood

NO. OF SPANS

2 probable

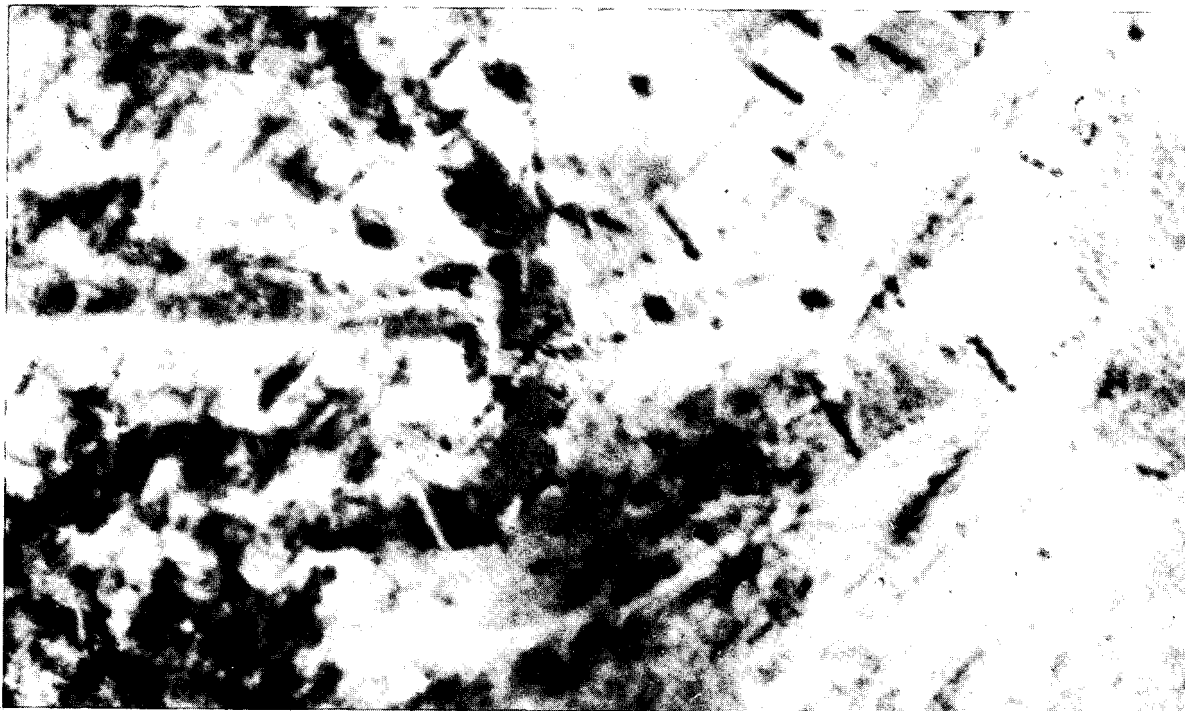
LENGTH OF EACH SPAN

STATUS:

Completely destroyed.

COMPENSATIVE ACTION:

Probable ford

~~CONFIDENTIAL~~GROUP 1
Excluded from automatic
downgrading and declassification

~~CONFIDENTIAL~~

CIA IMAGERY ANALYSIS DIVISION

25X1

25X1

NAME	Ban Seng Phan Hwy. Bridge	COUNTRY		COORDINATES	17 29N - 105 42E WE 747332
	Bridge No. 16L on NE 48-11	Laos			
				BRIEF NO:	PIB 65354 March 1966
MAP	AMS JOG (A) 1501	NE 48-11			
LOCATION:	0.1 nm SE of Ban Seng Phan on Route 23				

DESCRIPTION:

LENGTH 50' approx.
 WIDTH 10' approx.
 TYPE Probable deck

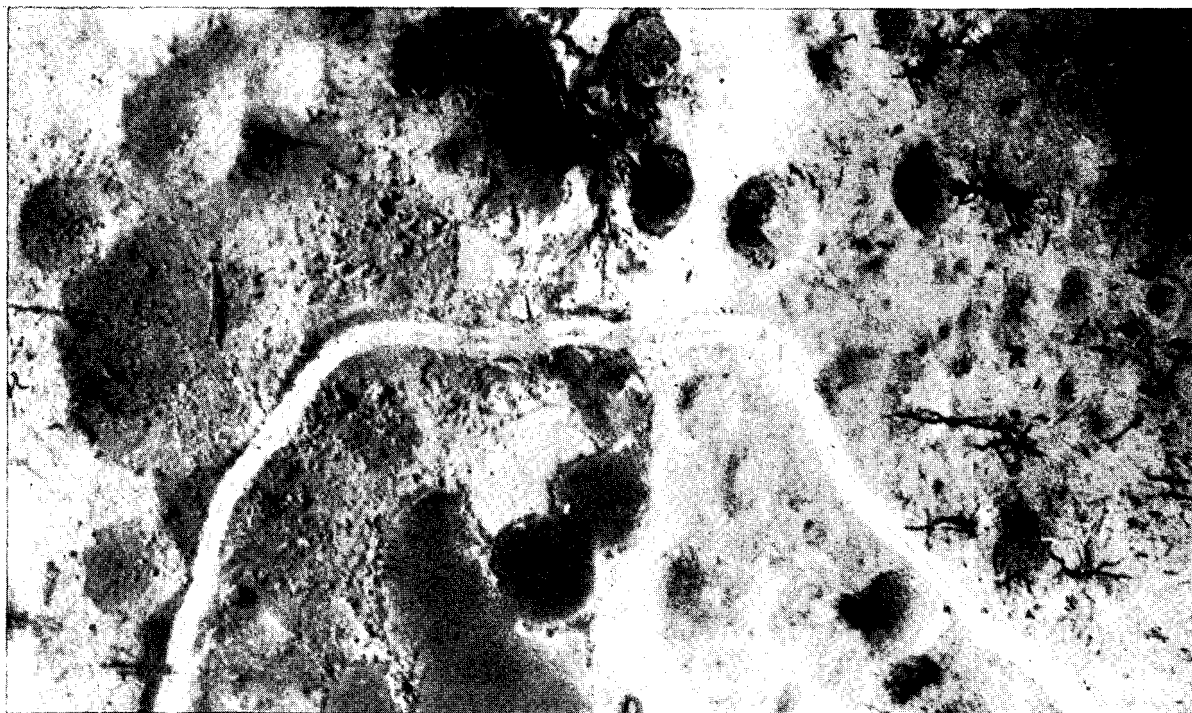
MATERIAL Timber
 NO. OF SPANS 2 probable
 LENGTH OF EACH SPAN 25' approx.

STATUS:

Destroyed

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ban Bung Hwy. Bridge Bridge No. 38 on NF 48-10	North Vietnam	21 26N - 104 03E VJ 021706
[REDACTED]		BRIEF NO: PIB 65355 March 1966
MAP	AMS L509	NF 48-10

LOCATION: 0.6 nm SW of Ban Bung on Route 601

DESCRIPTION:

LENGTH 20' approx.
WIDTH [REDACTED]
TYPE Deck

MATERIAL Timber
NO. OF SPANS 1 probable
LENGTH OF EACH SPAN 20' probable

STATUS:

Completely destroyed

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ban Keng Sep Hwy. Bridge Bridge No. 4L on NE 48-15	Laos	16 49N - 106 05E XD 165592
BRIEF NO:		
PIB 65356 March 1966		

25X1

MAP JOG (A) 1501 NE 48-15
LOCATION: 0.75 nm NW of Ban Keng Sep on Route 91

DESCRIPTION:

LENGTH 25' approx.
WIDTH
TYPE Deck

MATERIAL Wood
NO. OF SPANS 1
LENGTH OF EACH SPAN 25' approx.

25X1

STATUS:

Completely destroyed.

COMPENSATIVE ACTION:

Destroyed span now being used as a ford.
Probable ford immediately upstream from bridge.

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25X1

CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Dong Phong Thuong RR. & Hwy. Bridge over Song Len Bridge No. 6 on NE 48-3	COUNTRY North Vietnam	COORDINATES 19 58N - 105 50E WH 886090
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25X1

MAP AMS L509 NE 48-3	BRIEF NO: PIB 65357 April 1966
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LOCATION: At Dong Phong Thuong on Hanoi-Vinh Rail Line and Route 119

DESCRIPTION:

25X1

LENGTH 525' approx. WIDTH Through truss TYPE
--

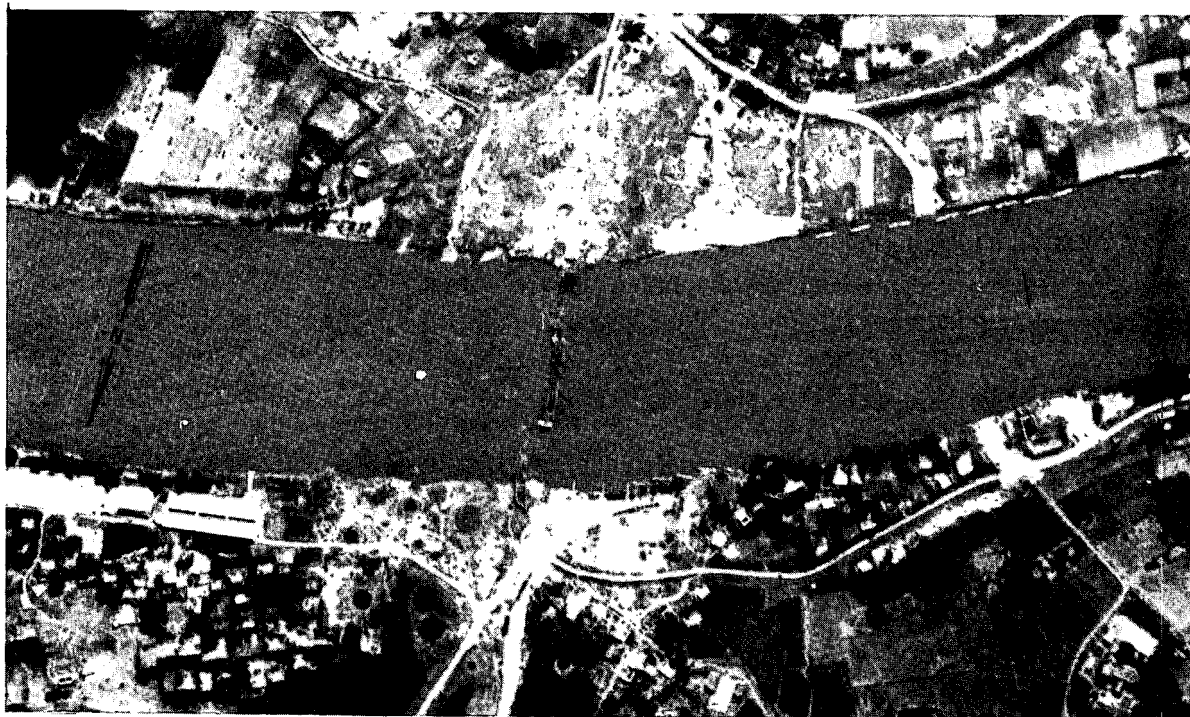
MATERIAL Steel and concrete NO. OF SPANS 3 LENGTH OF EACH SPAN 175' approx.

STATUS:

All 3 spans destroyed; piers and abutments appear intact.

COMPENSATIVE ACTION:

Two by-pass bridges have been constructed.

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25X1

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CIA IMAGERY ANALYSIS DIVISION

25X1

25X1

NAME Phu Ly RR. Bridge over Song Lap 		COUNTRY North Vietnam	COORDINATES 20 32N - 105 55E WH 959721
Bridge No. 8 on NF 48-15			
MAP AMS L509 NF 48-15 LOCATION: At Phu Ly on the Hanoi-Vinh Rail Line			BRIEF NO: PIB 65358 March 1966

25X1

DESCRIPTION:

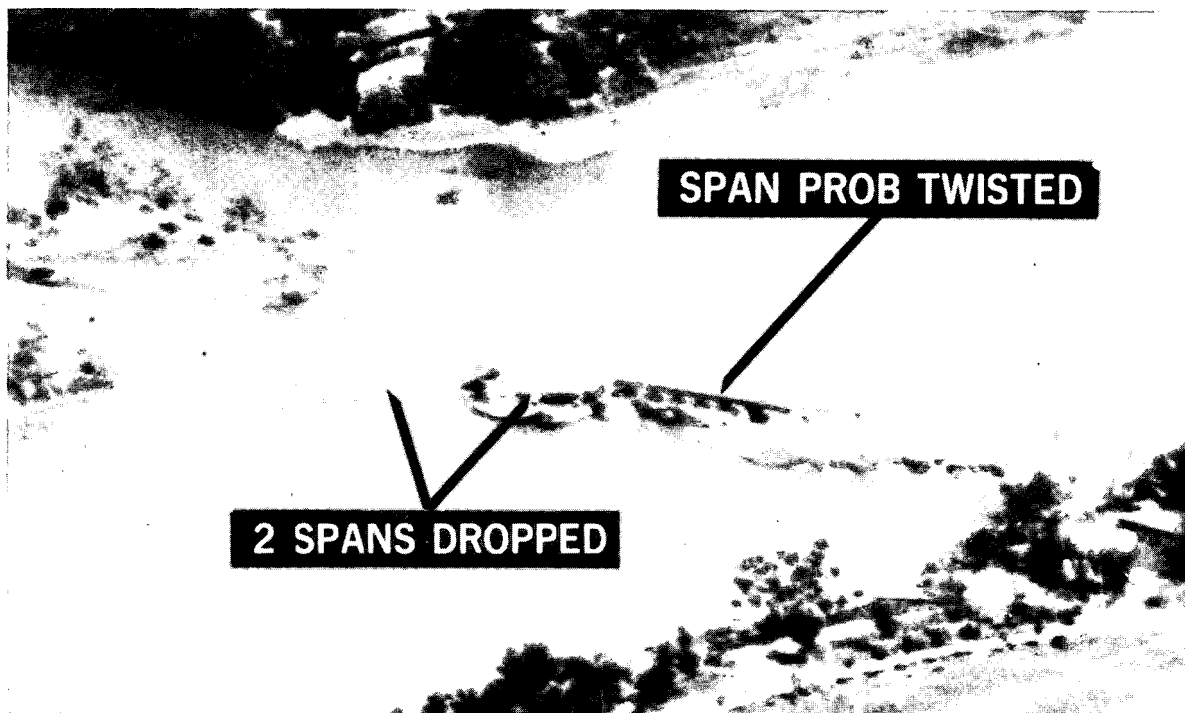
LENGTH	240' approx.	MATERIAL	Steel and concrete
WIDTH		NO. OF SPANS	3
TYPE	Deck beam	LENGTH OF EACH SPAN	80' approx.

STATUS:

Two spans destroyed, one span damaged, one abutment damaged

COMPENSATIVE ACTION:

None



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CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Xom Gia Hwy. Bridge over

COUNTRY

COORDINATES

Song Gia [REDACTED]

North Vietnam

18 25N - 105 48E

Bridge No. 16 on NE 48-7

WF 851362

25X1

BRIEF NO:

MAP

AMS L509

NE 48-7

PIB 65359

March 1966

LOCATION: 0.2 nm NE of Xom Gia on Route 1A

DESCRIPTION:

LENGTH

250' approx.

MATERIAL

Steel and concrete

WIDTH

NO. OF SPANS

5

TYPE

Deck & half through
truss

LENGTH OF EACH SPAN

1 - 120' approx., 3 - 35' approx.
1 - 20' approx.

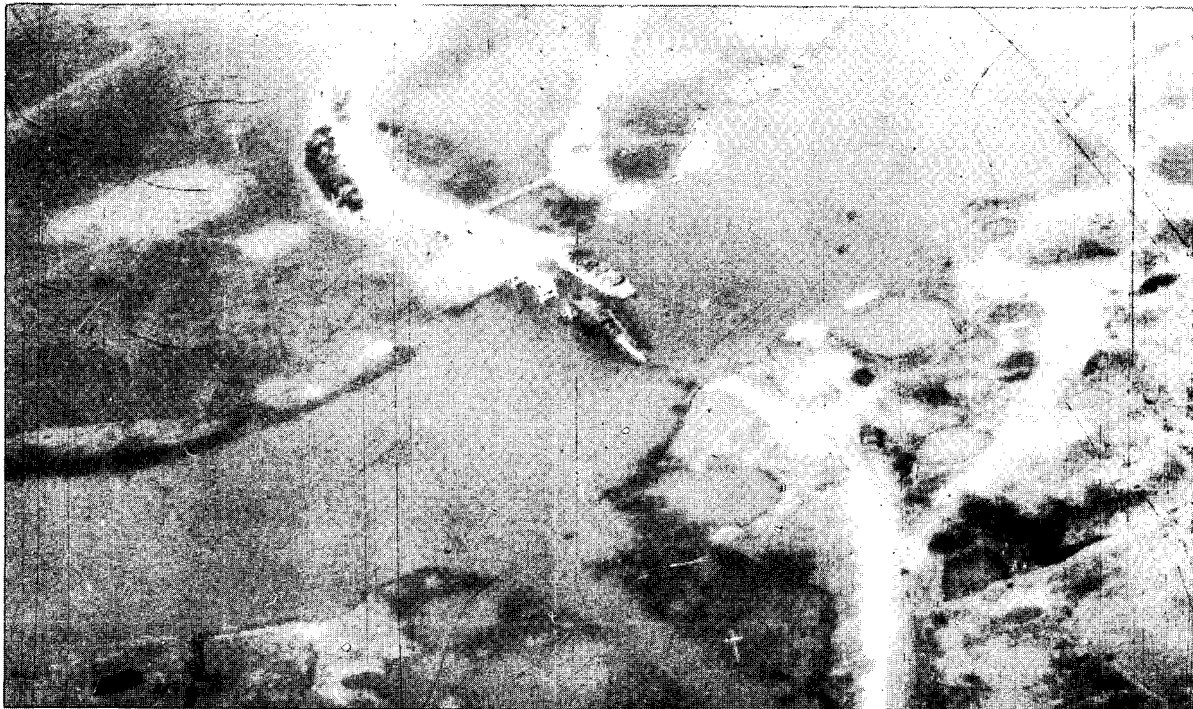
STATUS: 3 spans dropped, 1 - 20' span and 1 - 35' span remaining.

25X1

COMPENSATIVE ACTION:

Ferry crossing adjacent (Note ferry carrying two trucks - others
waiting at south end)

25X1

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Van Con Hwy. Bridge Bridge No. 42 on NE 48-3	North Vietnam	19 47N - 105 36E WG 640881
BRIEF NO:		
PIB 65360		
March 1966		
MAP	AMS L509	NE 48-3

25X1

LOCATION: 0.1 nm NW of Ban Con on an unnumbered route

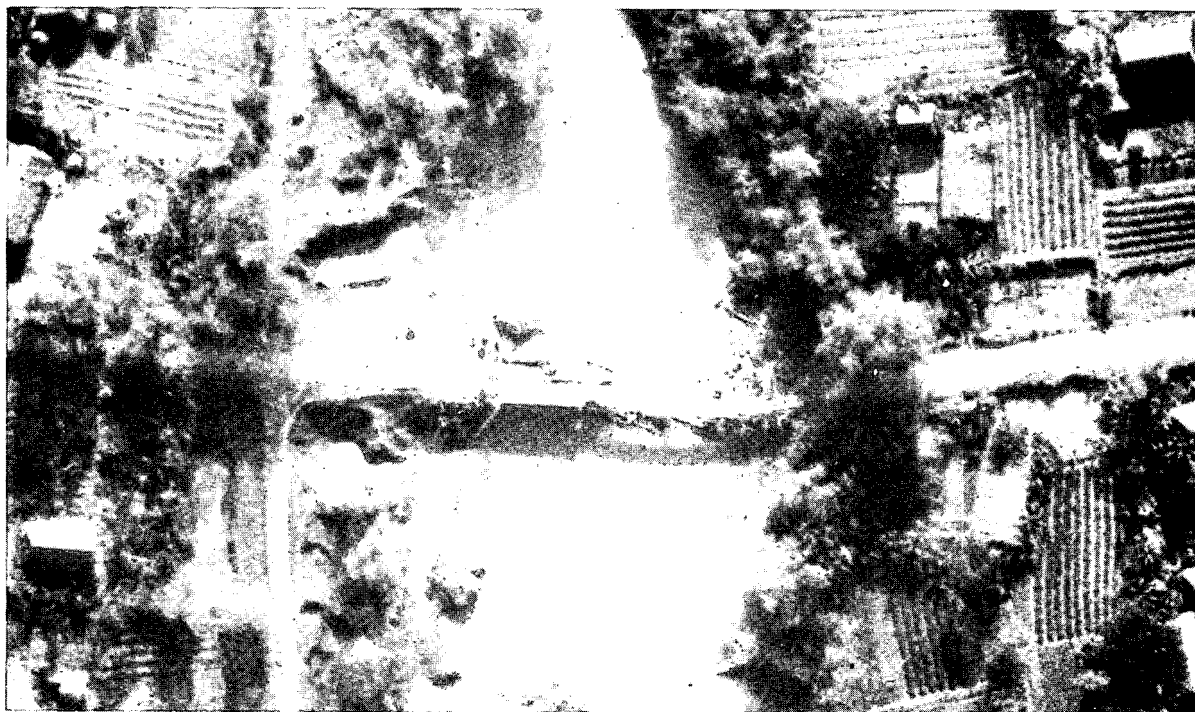
DESCRIPTION:

LENGTH	50' approx.	MATERIAL	Probable concrete, steel, timber
WIDTH	10' approx.	NO. OF SPANS	2 probable
TYPE	Deck	LENGTH OF EACH SPAN	25' approx.

STATUS: 1 span and abutment completely destroyed

COMPENSATIVE ACTION:

A multi span (probable 3 span) timber deck bridge approx.
30' long and 5' wide connecting remaining former span
with opposite shore.

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Lo Ti Hwy. Bridge Bridge No. 7 on NF 48-14	North Vietnam	20 57N - 103 53E UJ 848167
		BRIEF NO:
		PIB 65361
		March 1966

25X1

MAP AMS L509 NE 48-14

LOCATION: 0.6 nm WSW of Lo Ti on Route 44

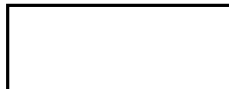
DESCRIPTION:

25X1

LENGTH

WIDTH

TYPE

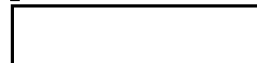


Probable deck

MATERIAL Probable wood and concrete

NO. OF SPANS probable 1

LENGTH OF EACH SPAN

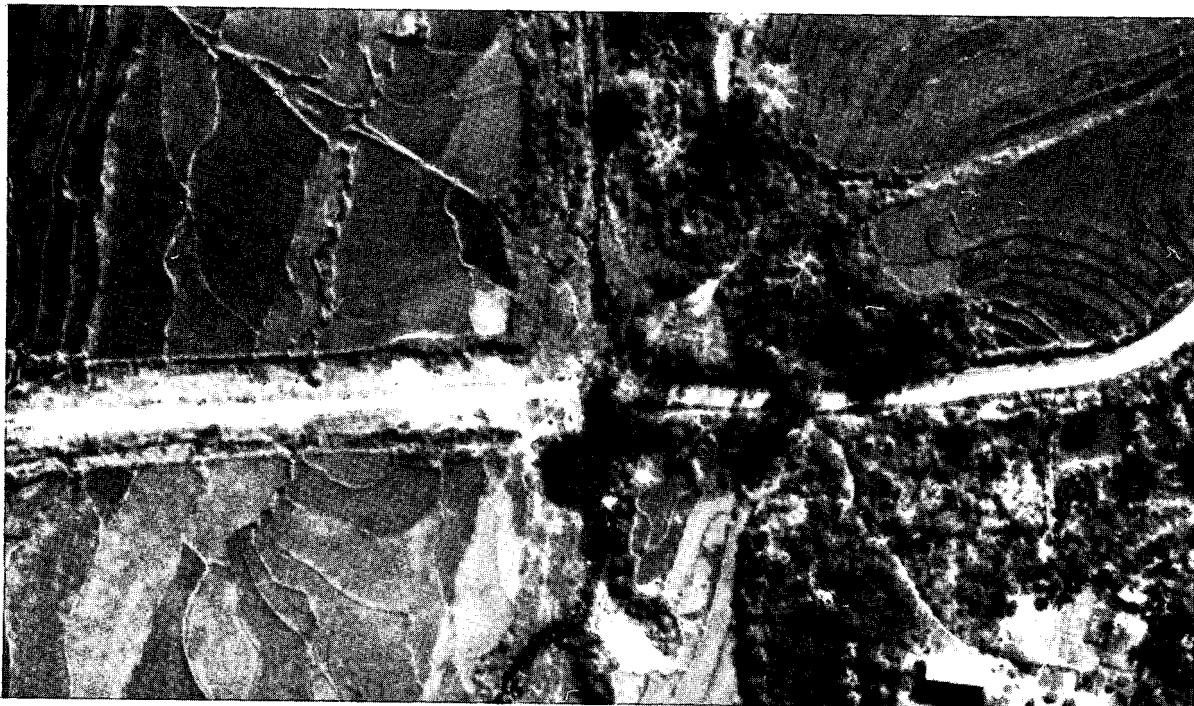


25X1

STATUS: Completely destroyed.

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Tu My Hwy. Bridge SW over
stream
Bridge No. 3 on NE 48-7

COUNTRY

North Vietnam

COORDINATES

18 31N - 105 29E
WF 513468

25X1

BRIEF NO:

PIB 65362
April 1966

MAP AMS L509 NE 48-7

LOCATION: 0.5 nm SE of Hou Bang on Route 8.

DESCRIPTION:

LENGTH 160' approx.
WIDTH 15' approx.
TYPE Deck

MATERIAL Steel and concrete

NO. OF SPANS 2

LENGTH OF EACH SPAN 80' approx.

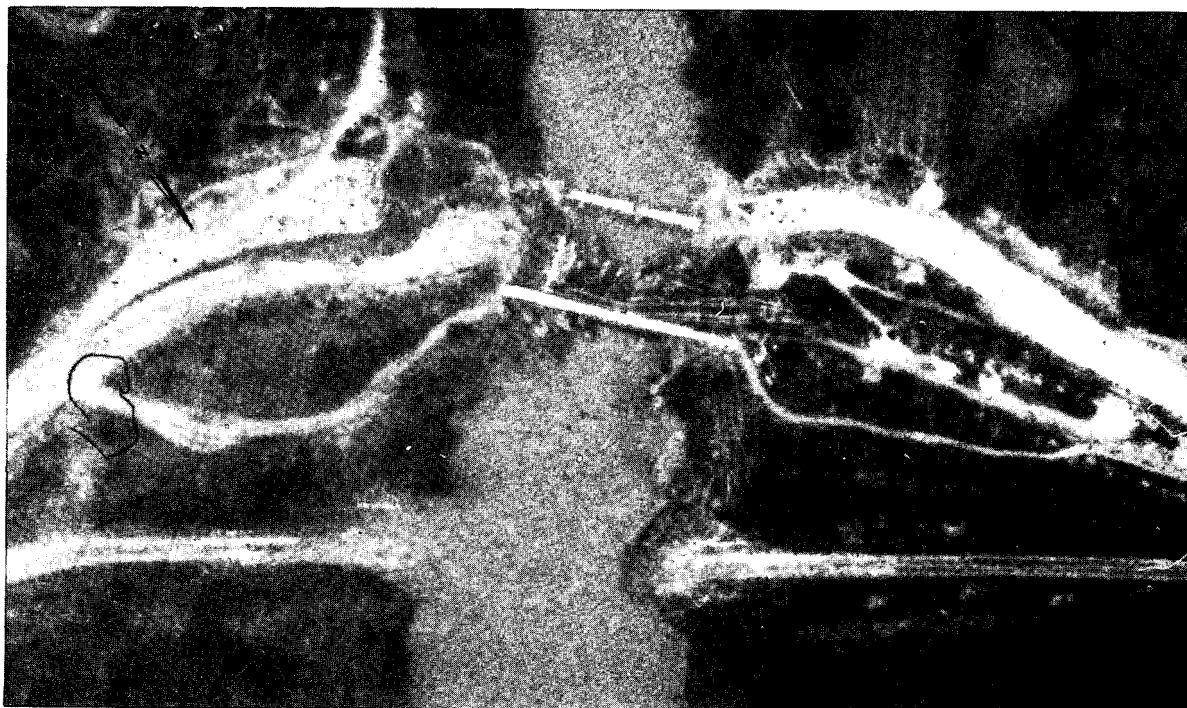
STATUS:

Both spans destroyed; one pier destroyed.

COMPENSATIVE ACTION:

Foot bridge to immediate south of highway bridge, with apparent damage to center of bridge; foot bridge (intact) to immediate north of highway bridge; vehicle ford northeast of new intact foot bridge.

25X1

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ban Khoua Pen Hwy. Bridge No. 2 Bridge No. 7L on NE 48-7	Laos	18 14N - 105 01E WF 018167
		BRIEF NO: PIB 65363 March 1966
MAP	AMS JOG (A) 1501 NE 48-7	

LOCATION: 1.5 nm NNE of Ban Khoua Pen on Route 8

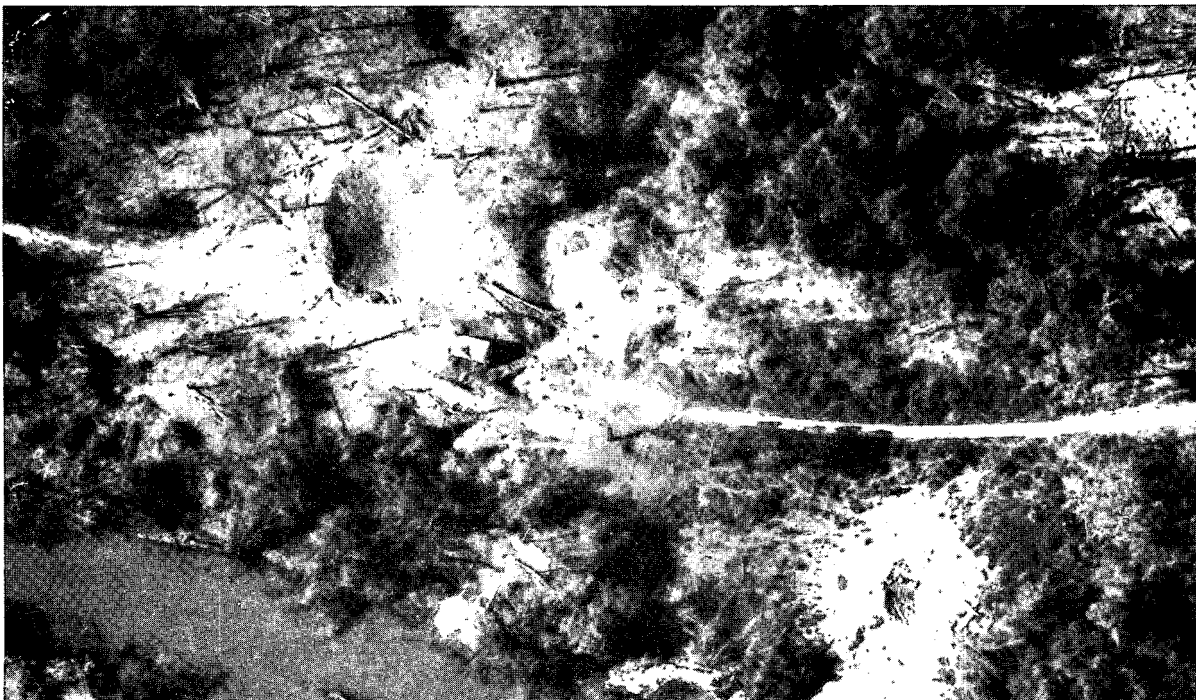
DESCRIPTION:

LENGTH 50' approx.
 WIDTH 10' approx.
 TYPE Deck

MATERIAL Concrete and wood
 NO. OF SPANS 3
 LENGTH OF EACH SPAN 2 @ 15' approx.
 1 @ 20' approx.

STATUS: 1 span dropped, 1 span destroyed and 1 pier destroyed.

COMPENSATIVE ACTION: Temporary wooden bridge.



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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ban Na Lia Hwy. Bridge Bridge No. 3L on NE 48-7	Laos	18 15N - 105 02E WF 042194
MAP		BRIEF NO:
AMS JOG (A) 1501 NE 48-7		PIB 65364 April 1966

LOCATION: 1.3 nm WNW of Ban Na Lia on Route 8

DESCRIPTION:

LENGTH 40' approx.
WIDTH 10' approx.
TYPE Deck

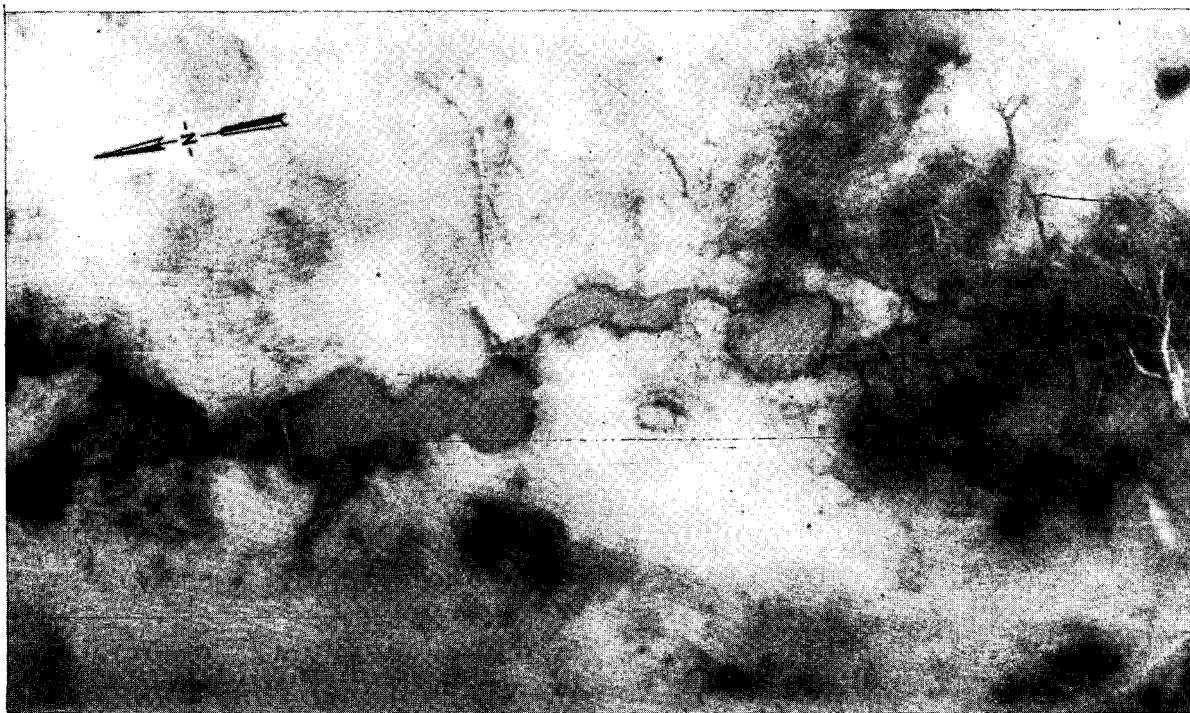
MATERIAL Probable concrete
NO. OF SPANS 2 probable
LENGTH OF EACH SPAN 20' approx.

STATUS:

1 span destroyed; other span damaged and off abutment.

COMPENSATIVE ACTION:

By-pass and ford

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ban Khoua Pen Hwy. Bridge No. 1 Bridge No. 3L on NE 48-6	Laos	18 13N - 105 00E WF 000146
BRIEF NO:		
PTB 65365		
March 1966		
MAP	AMS JOG (A) 1501	NE 48-6

LOCATION: 0.8 nm NW of Ban Khoua Pen on Route 8.

DESCRIPTION:

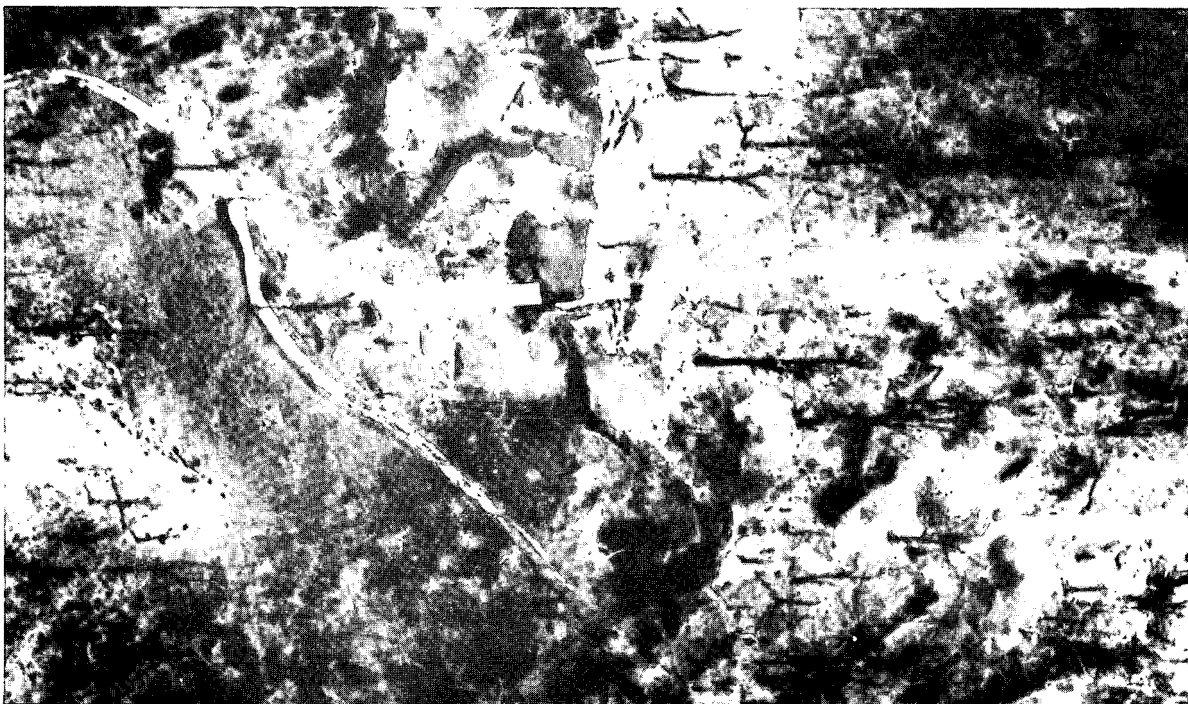
LENGTH 55' approx.
WIDTH 10' approx.
TYPE Deck

MATERIAL Wood and concrete
NO. OF SPANS 1
LENGTH OF EACH SPAN 55' approx.

STATUS: Destroyed. One abutment intact.

COMPENSATIVE ACTION:

Ford



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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ban Na Sa Lom Hwy. Bridge Bridge No. 4L on NE 48-7	Laos	18 16N - 105 03E WF 059212
[REDACTED]		BRIEF NO: PIB 65366 April 1966
MAP	JOG (A) 1501 NE 48-7	

LOCATION: 1.0 nm S of Ban Na Sa Lom on Route 8.

DESCRIPTION:

LENGTH 65' approx.
WIDTH [REDACTED]
TYPE Half-through truss

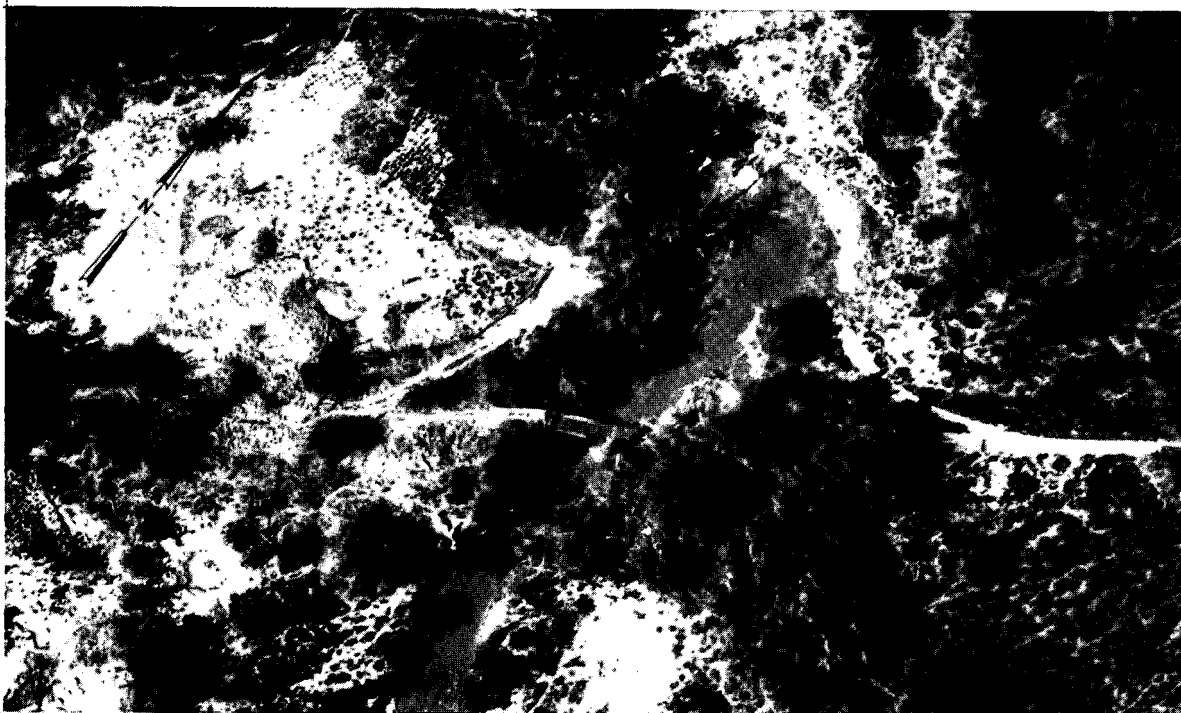
MATERIAL Concrete and steel
NO. OF SPANS 2
LENGTH OF EACH SPAN 1 @ 25' approx.
1 @ 40' approx.

STATUS:

1 span dropped.

COMPENSATIVE ACTION:

Vehicle ford immediately north of bridge.

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Nape Hwy. Bridge No. 2 Bridge No. 5L on NE 48-7	Laos	18 19N - 105 06E WF 117250
[REDACTED]		BRIEF NO: PIB 65367 March 1966
MAP	AMS JOG (A) 1501 NE 48-7	

25X1

LOCATION: 0.75 nm ENE of Nape on Route 8

DESCRIPTION:

25X1

LENGTH
WIDTH
TYPE

[REDACTED]

Deck

MATERIAL Concrete
NO. OF SPANS 1
LENGTH OF EACH SPAN

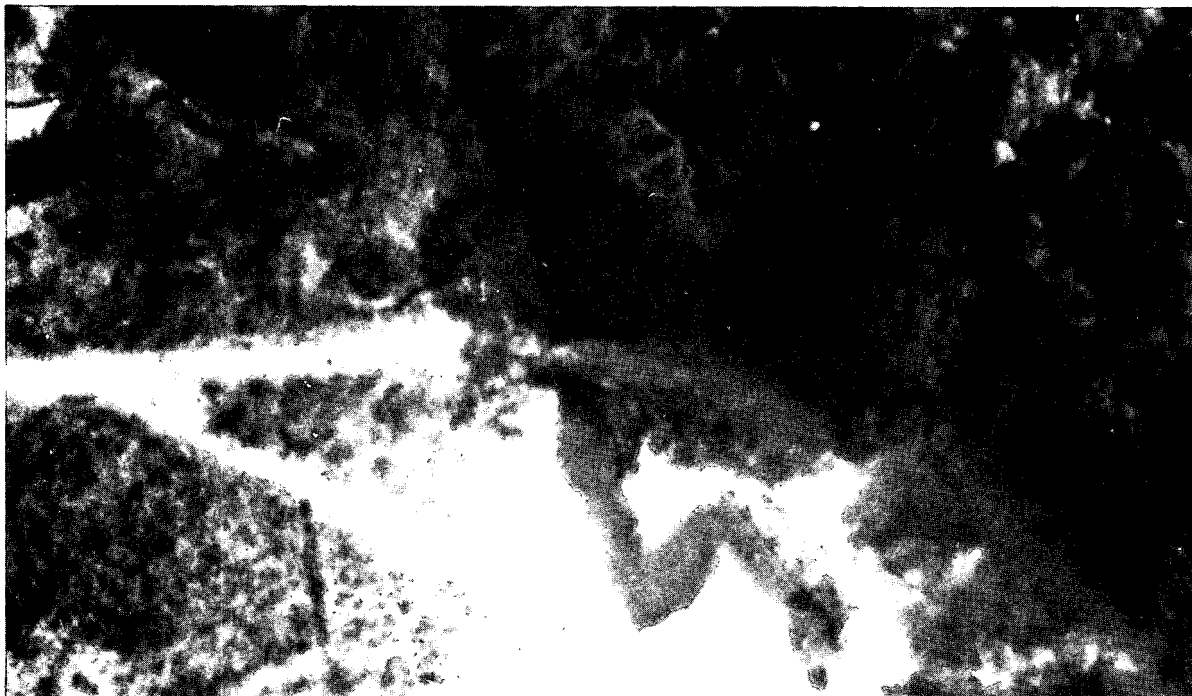
[REDACTED]

25X1

STATUS: Span dropped.

COMPENSATIVE ACTION:

Ford



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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Lak Sao Hwy. Bridge Bridge No. 2L on NE 48-6	Laos	18 12N - 104 59E VF 980125

25X1

BRIEF NO:	
PIB 65368	March 1966

MAP	AMS JOG (A) 1501	NE 48-6
LOCATION: 1.2 nm N of Lak Sao on Route 8		

DESCRIPTION:

25X1

LENGTH
WIDTH
TYPE

10' approx.
Deck

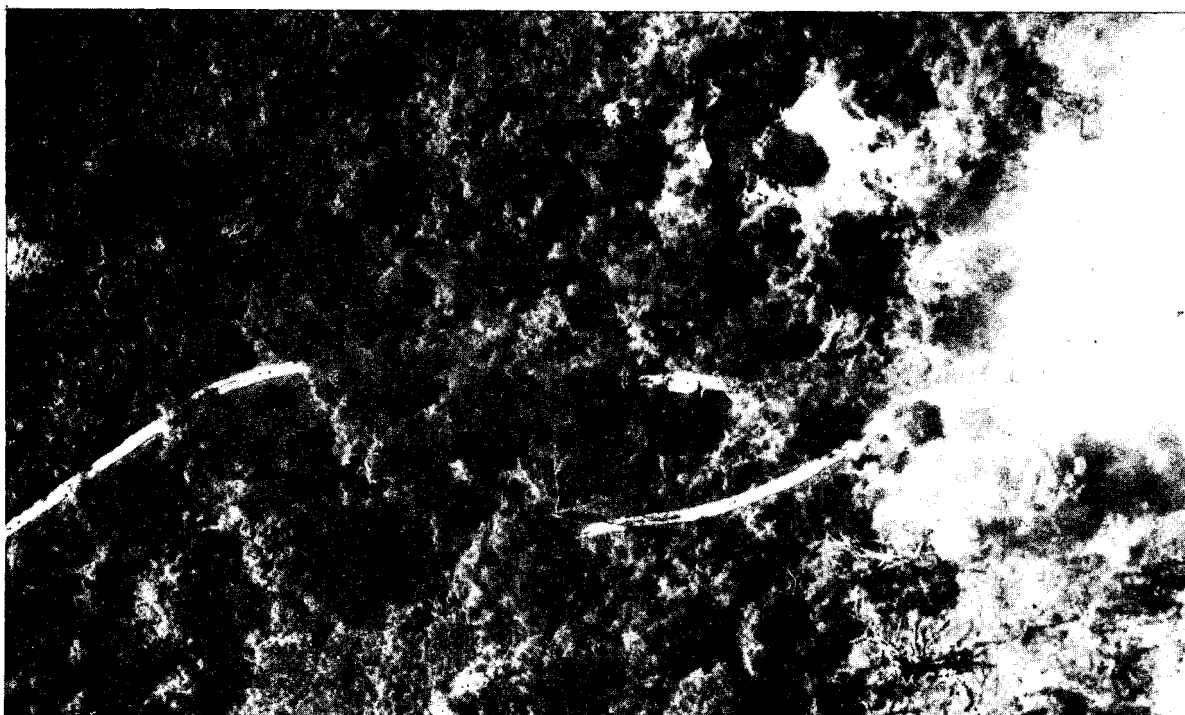
MATERIAL Wood
NO. OF SPANS 2
LENGTH OF EACH SPAN

25X1

STATUS: One span lightly damaged, one span moderately damaged; pier intact.

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

NAME Nape Temporary Timber Bridge Bridge No. 6L on NE 48-7	COUNTRY Laos	COORDINATES 18 18N - 105 04E WF 081236
<div>25X1</div>		BRIEF NO: PIB 65369 March 1966
MAP JOG (A) 1501	NE 48-7	

LOCATION: At Ban Nape on Route 8

DESCRIPTION:

LENGTH 30' approx.
 WIDTH 10' approx.
 TYPE Deck

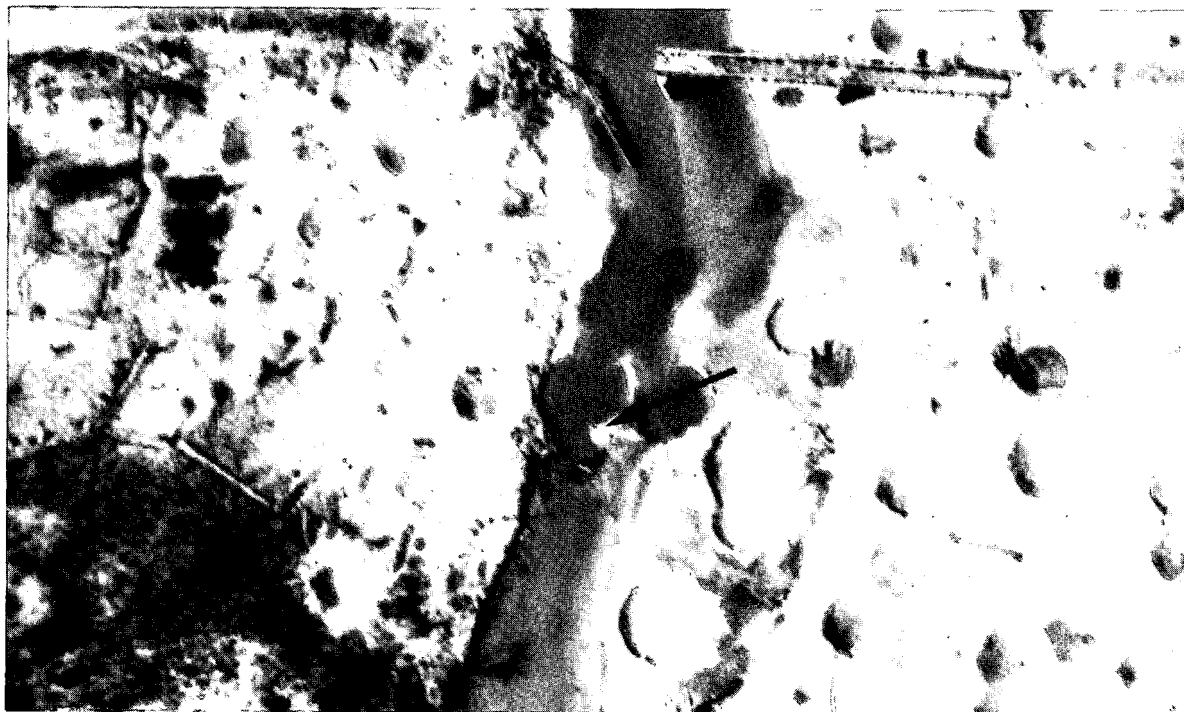
MATERIAL Timber
 NO. OF SPANS 2 probable
 LENGTH OF EACH SPAN 15' approx.

STATUS:

Completely destroyed.

COMPENSATIVE ACTION:

None



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CIA IMAGERY ANALYSIS DIVISION

NAME La Khe Thon Hwy. Bridge Bridge No. 60 on NE 48-7	COUNTRY North Vietnam	COORDINATES 18 03N - 105 49E WE 872973
25X1 [REDACTED]		BRIEF NO: PIB 65370 March 1966
MAP AMS L509	NE 48-7	

LOCATION: 0.8 nm SE of La Khe Thon on Route 15

DESCRIPTION:

25X1

LENGTH	[REDACTED]	MATERIAL	Wood, concrete abutments and piers
WIDTH		NO. OF SPANS	11
TYPE	Deck	LENGTH OF EACH SPAN	[REDACTED]

25X1

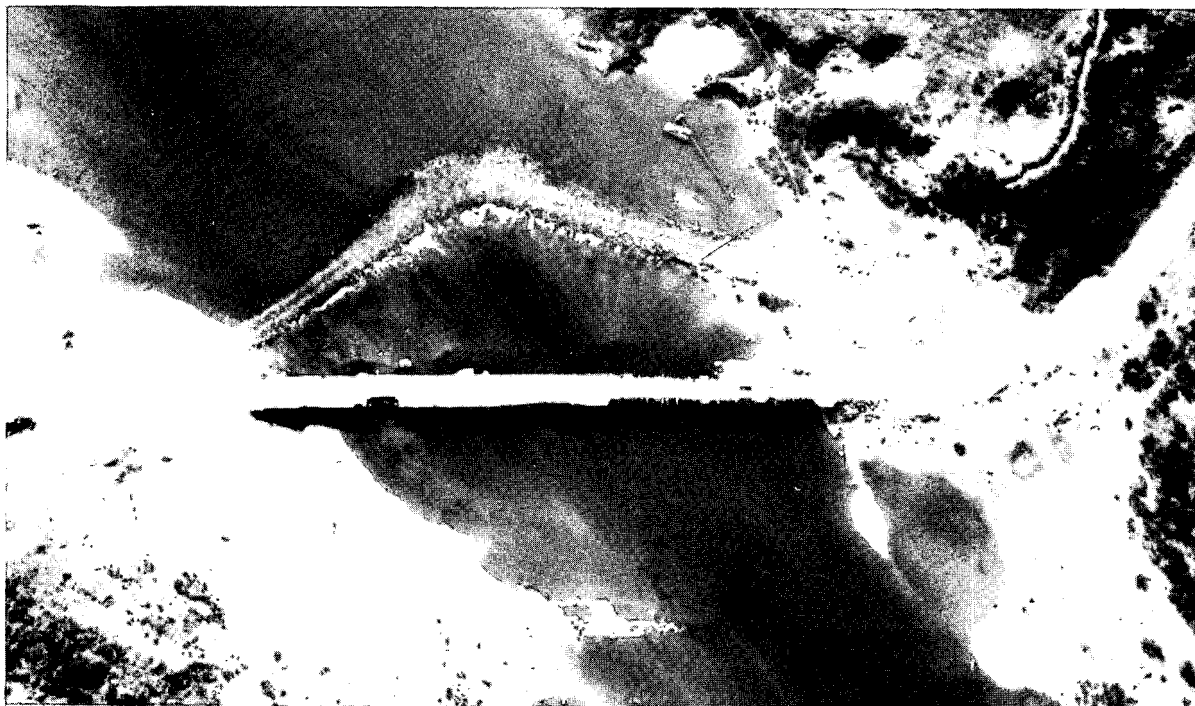
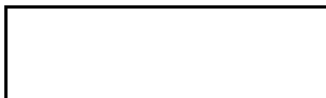
STATUS:

Bridge is being repaired

COMPENSATIVE ACTION:

Ford

25X1

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ban Na Ty Hwy. Bridge Bridge No. 30 on NF 48-10	North Vietnam	21 25N - 103 44E UJ 688700
25X1 [REDACTED]		BRIEF NO:
MAP AMS L509 NF 48-10		PIB 65371 April 1966

LOCATION: S edge of Ban Na Ty on Route 6.

DESCRIPTION:

LENGTH 40' approx.

WIDTH [REDACTED]

TYPE Deck

MATERIAL Concrete and wood

NO. OF SPANS 2

LENGTH OF EACH SPAN 20' approx.

STATUS:

Bridge totally destroyed. Bridge approaches severely interdicted.

COMPENSATIVE ACTION:

Vehicle fords to NE and SW of bridge.

25X1 [REDACTED]

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ban Song Hwy. Bridge Bridge No. 39 on NF 48-10	North Vietnam	21 00N - 103 48E UJ 759238
25X1		BRIEF NO: PIB 65372 March 1966
MAP	AMS L509	NF 48-10

LOCATION: At Ban Song on Route 190.

DESCRIPTION:

LENGTH
WIDTH
TYPE

Deck

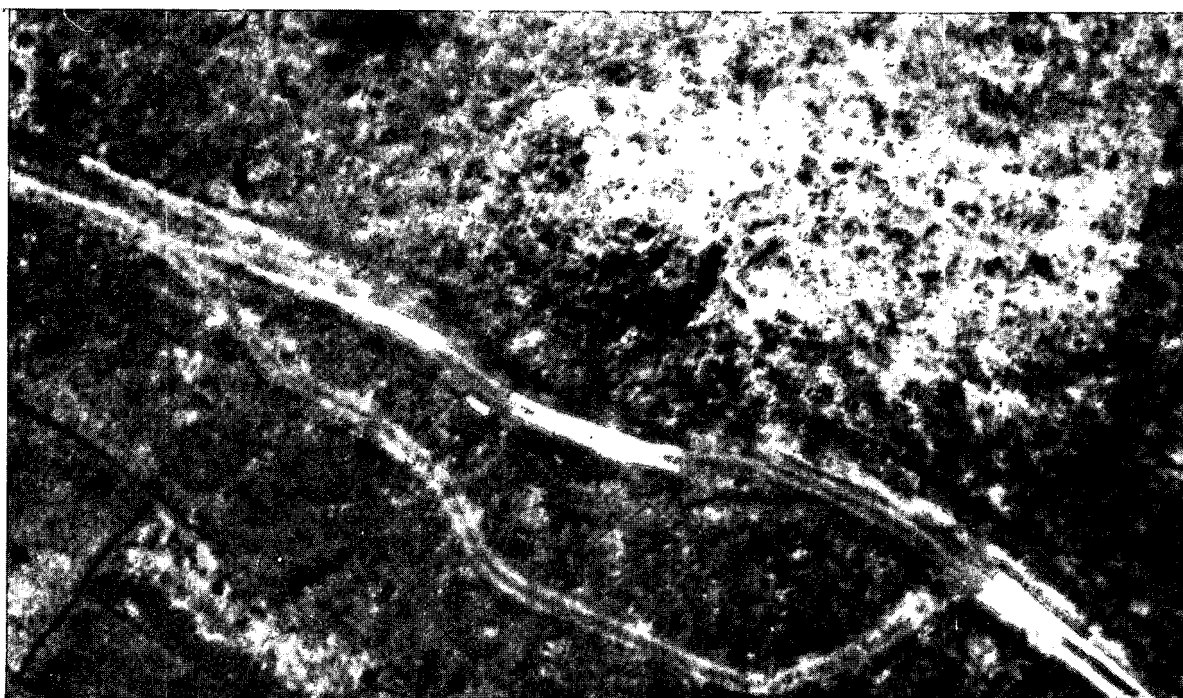
MATERIAL Wood and concrete
NO. OF SPANS 1
LENGTH OF EACH SPAN

25X1

STATUS: Completely destroyed.

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ban Ta Lack Hwy. Bridge No. 2 Bridge No. 17L on NE 48-11	Laos	17 34N - 105 34E WE 680432
		BRIEF NO:
		PIB 65373 March 1966
MAP	AMS L509	NE 48-11

LOCATION: 0.5 nm E of Ban Ta Lack on Route 12

DESCRIPTION:

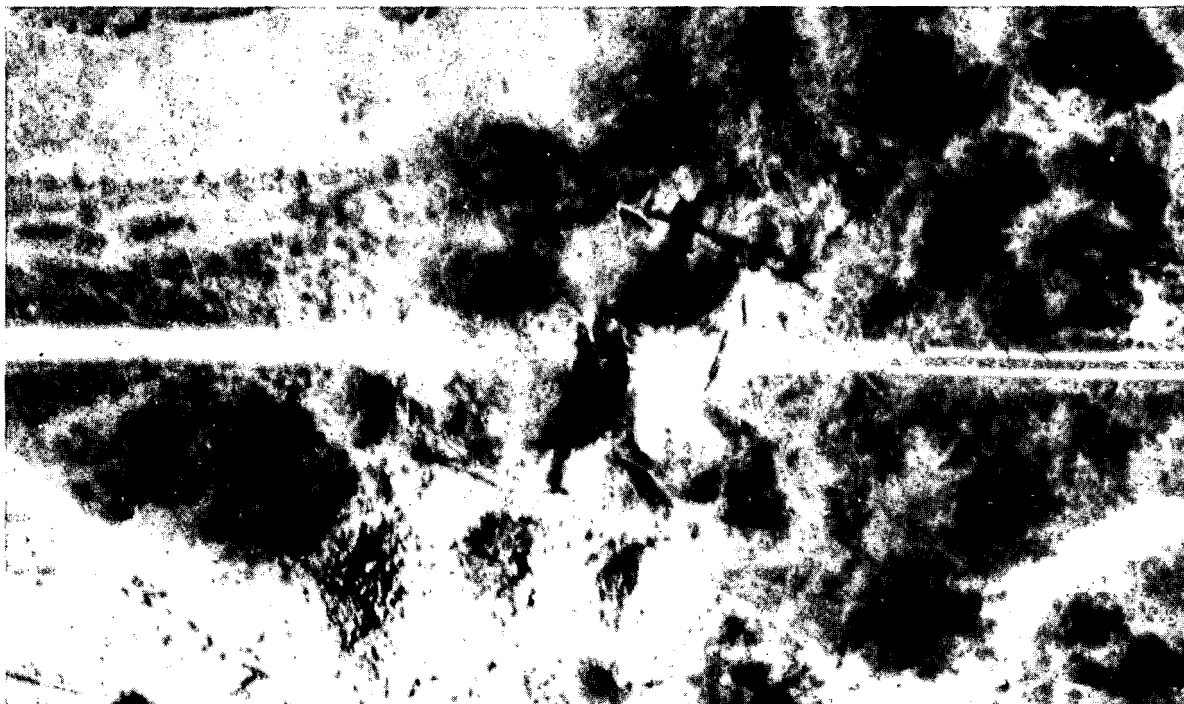
LENGTH 50' approx.
 WIDTH 10' approx.
 TYPE Deck

MATERIAL Wood
 NO. OF SPANS probably 1
 LENGTH OF EACH SPAN 50' approx.

STATUS: Completely destroyed. Abutments intact.

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ban Na Thinh Bridge No. 2 Bridge No. 19L on NE 48-11	Laos	17 34N - 105 37E WE 662438
		BRIEF NO: PIB 65374 March 1966
MAP	AMS L509	NE 48-11

LOCATION: 1.5 nm E of Ban Na Thinh on Route 12

DESCRIPTION:

LENGTH 25' approx.
WIDTH 10' approx.
TYPE Deck

MATERIAL Wood
NO. OF SPANS 1
LENGTH OF EACH SPAN

25' approx.

STATUS:

Deck severely damaged.

COMPENSATIVE ACTION:

Ford



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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ban Na Thinh Hwy. Bridge No. 3 Bridge No. 20L on NE 48-11	Laos	17 34N - 105 36E WE 645438
MAP		BRIEF NO:
AMS L509	NE 48-11	PIB 65375 March 1966

LOCATION: 0.1 nm E of Ban Na Thinh on Route 12

DESCRIPTION:

LENGTH	25' approx.	MATERIAL	Wood
WIDTH	10' approx.	NO. OF SPANS	1
TYPE	Deck	LENGTH OF EACH SPAN	25' approx.

STATUS: Span severely damaged. Approach interdicted.

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

NAME

Ban Xang Hwy. Bridge
Bridge No. 21L on NE 48-11

COUNTRY

Laos

COORDINATES

17 35N - 105 35E
WE 629443

25X1

BRIEF NO:

PIB 65376
March 1966

MAP

AMS L509

NE 48-11

LOCATION:

1.8 nm E of Ban Xang on Route 12

DESCRIPTION:

LENGTH

20' approx.

WIDTH

TYPE

Deck

MATERIAL

Wood

NO. OF SPANS

1

LENGTH OF EACH SPAN

20' approx.

25X1

STATUS:

Moderate deck damage.

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Ban Khileck Hwy. Bridge Bridge No. 22L on NE 48-11	Laos	17 35N - 105 31E WE 545437
BRIEF NO:		
PIB 65377		
March 1966		
MAP	AMS L509	NE 48-11

LOCATION: 0.1 nm W of Ban Thongmeng on Route 12

DESCRIPTION:

LENGTH 25' approx.
 WIDTH 10' approx.
 TYPE Deck

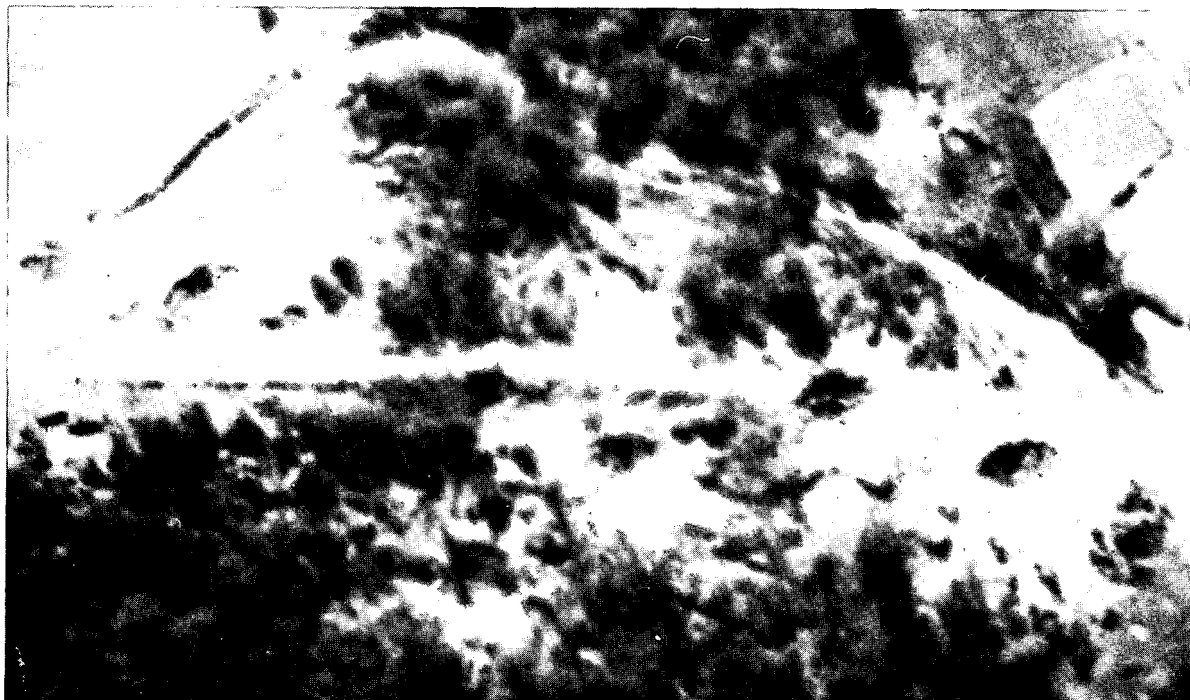
MATERIAL Wood
 NO. OF SPANS 1
 LENGTH OF EACH SPAN

25' approx.

STATUS: Span dropped.

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

NAME Trai Mo Hwy. Bridge Bridge No. 73 on NE 48-7	COUNTRY North Vietnam	COORDINATES 18 30N - 105 23E WF 408457
BRIEF NO: PIB 65378 March 1966		
MAP AMS L509	NE 48-7	

LOCATION: 0.5 nm SW of Trai Mo on Route 8

DESCRIPTION:

LENGTH
WIDTH
TYPE

55' approx.

Deck

MATERIAL Concrete
NO. OF SPANS 1
LENGTH OF EACH SPAN

55' approx.

STATUS:

Repaired; serviceable.

COMPENSATIVE ACTION:

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CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Ban Bo Hwy. Bridge Bridge No. 5L on NE 48-6		COUNTRY Laos	COORDINATES 18 12N - 104 50E VF 828134
BRIEF NO: PIB 65380 March 1966			
MAP	AMS JOG (A) 1501	NE 48-6	

LOCATION: At Ban Bo on Route 81

DESCRIPTION:

25X1

LENGTH 50' approx.
WIDTH
TYPE Deck

MATERIAL Timber
NO. OF SPANS 2
LENGTH OF EACH SPAN 25' approx.

STATUS:

One span destroyed.

COMPENSATIVE ACTION:

Ford



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CIA IMAGERY ANALYSIS DIVISION

NAME Muong Hom Hwy. Bridge Bridge No. 1L on NF 48-14		COUNTRY Laos	COORDINATES 20 40N - 104 23E VH 370861
25X1		BRIEF NO: PIB 65381 March 1966	
MAP	AMS JOG (A) 1501	NF 48-14	
LOCATION: 0.1 nm E of Muong Hom on Route 6			

DESCRIPTION:

LENGTH 70' approx.

WIDTH

TYPE

Deck

MATERIAL Concrete, timber, and steel

NO. OF SPANS

2

LENGTH OF EACH SPAN

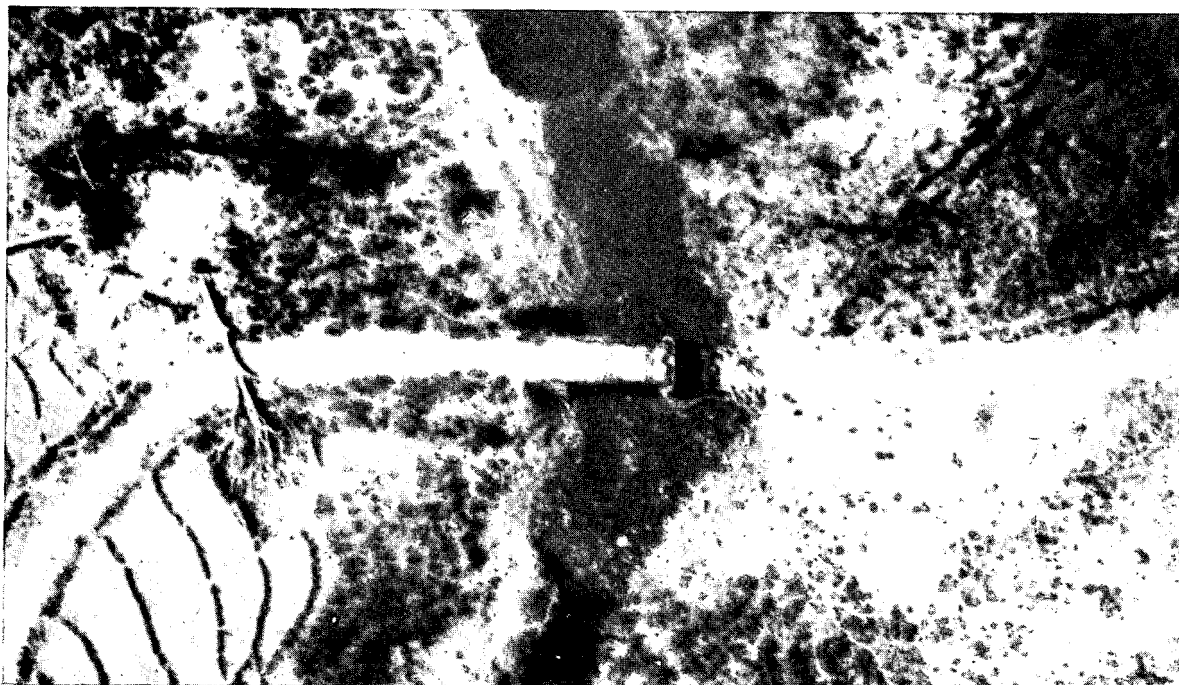
35' approx.

STATUS:

1 span destroyed.

COMPENSATIVE ACTION:

Ford

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Kim Nac Hwy. Bridge over	COUNTRY		COORDINATES
	stream		North Vietnam		18 13N - 106 02E SF 100155
25X1	Bridge No. 23 on NE 48-7				BRIEF NO:
					PIB 65382 March 1966
	MAP	AMS L509	NE 48-7		
	LOCATION:	0.3 nm NE of Kim Nac on Route 1A			

DESCRIPTION:

LENGTH 90' approx.
 WIDTH 10' approx.
 TYPE Deck

MATERIAL Concrete probable
 NO. OF SPANS 2 probable
 LENGTH OF EACH SPAN 45' approx.

STATUS:

The one destroyed span has been repaired, bridge is now serviceable.

COMPENSATIVE ACTION:

Ford

25X1

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CIA IMAGERY ANALYSIS DIVISION

25X1

25X1

NAME	Canh Trap Hwy. Bridge over stream <input type="text"/> Bridge No. 12 on NE 48-2	COUNTRY	North Vietnam	COORDINATES	19 13N - 104 32E VG 514251
				BRIEF NO:	PIB - 65383 March 1966
MAP	AMS L509	NE 48-2			
LOCATION:	0.1 nm W of Canh Trap on Route 7				

DESCRIPTION:

LENGTH	60' approx.	MATERIAL	Wood
WIDTH	10' approx.	NO. OF SPANS	4
TYPE	Deck	LENGTH OF EACH SPAN	15' approx.

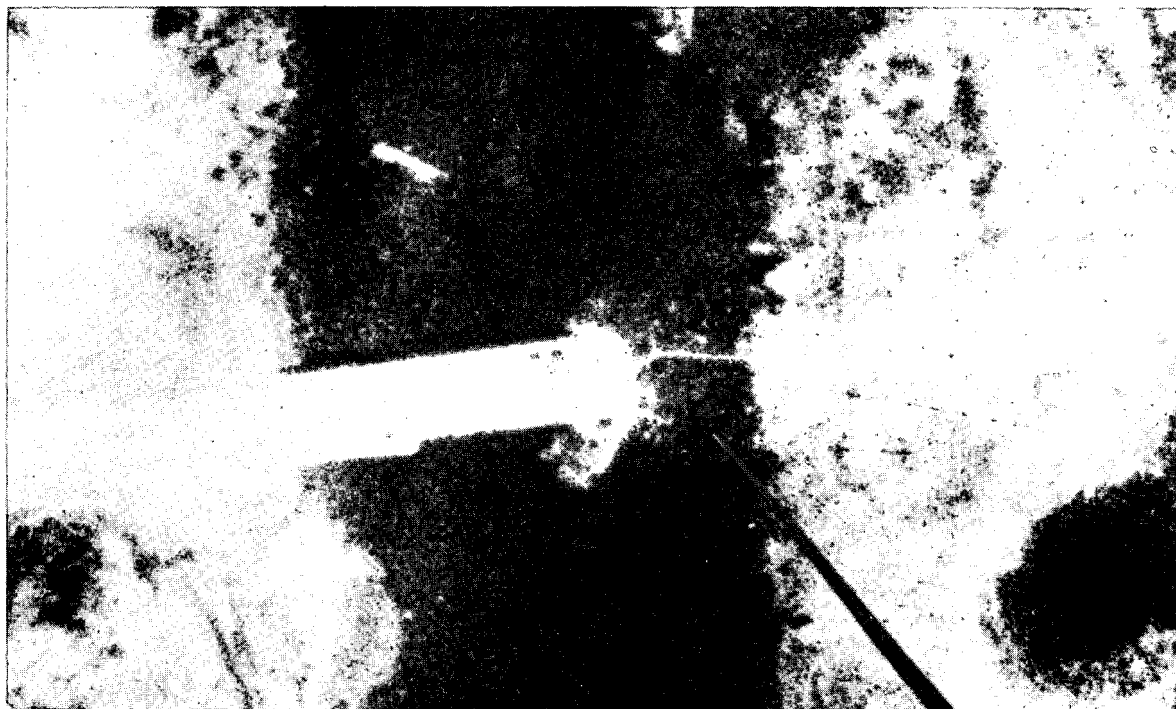
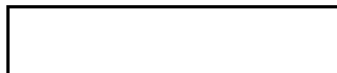
STATUS:

One span destroyed, one pier and one abutment damaged.

COMPENSATIVE ACTION:

By-pass ford

25X1



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CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Tho Trang RR. Bridge

COUNTRY

COORDINATES

Bridge No. 14 on NE 48-3

North Vietnam

19 09N - 105 37E

WG 649181

25X1

BRIEF NO:

PIB 65384

March 1966

MAP

AMS L509

NE 48-3

LOCATION:

0.5 nm SE of Tho Trang on the Hanoi-Vinh Rail Line

DESCRIPTION:

LENGTH

60' approx.

MATERIAL

Steel

WIDTH

Single track

NO. OF SPANS

1

TYPE

Half-thru truss

LENGTH OF EACH SPAN

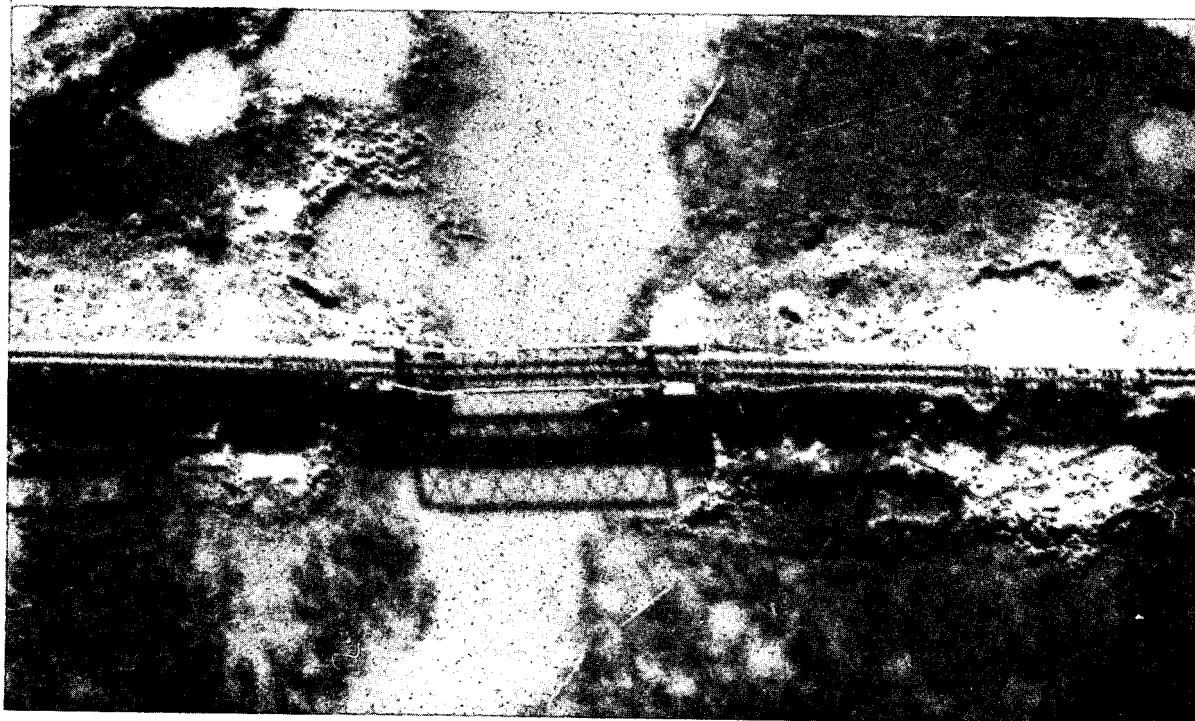
60' approx.

STATUS:

Repaired; serviceable.

COMPENSATIVE ACTION:

25X1

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Lan Tra Hwy. Bridge over Song	COUNTRY		COORDINATES	
	Cua	<input type="text"/>	North Vietnam		19 21N - 105 43E	
25X1	Bridge No.	30 on NE 48-3			WG 765405	
		<input type="text"/>			BRIEF NO:	
	MAP	AMS L509	NE 48-3		PIB 65385	
					March 1966	

LOCATION: 0.4 nm W of Phong Bai on Route 1A

DESCRIPTION:

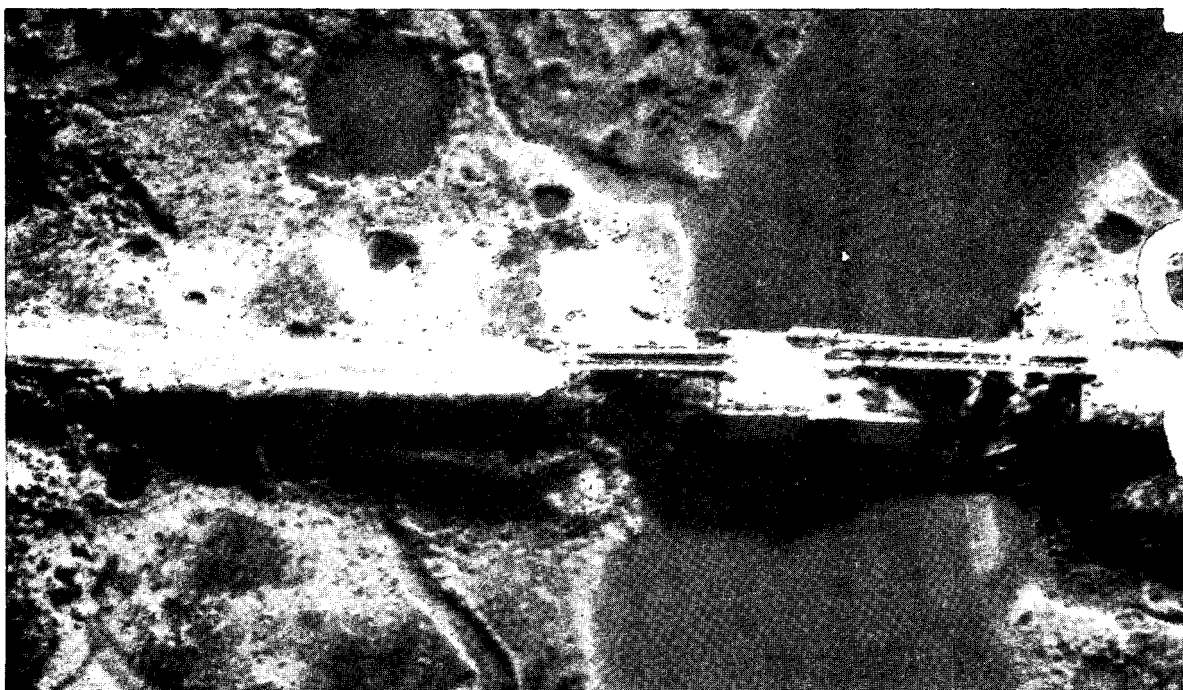
LENGTH 80' approx.
 WIDTH 10' approx.
 TYPE Deck

MATERIAL Timber and concrete
 NO. OF SPANS 4
 LENGTH OF EACH SPAN 20' approx.

STATUS:

Three spans dropped.

COMPENSATIVE ACTION: Timber planking across dropped spans; bridge serviceable.

25X1 ~~CONFIDENTIAL~~

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CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Phuc Thiem Hwy. Bridge	COUNTRY	COORDINATES
Bridge No. 2 on NE 48-7	North Vietnam	18 57N - 105 34E WF 602965

25X1

BRIEF NO:	
PIB 65386	
March 1966	

MAP	AMS L509	NE 48-7
LOCATION:	1.0 nm W of Phuc Thiem on Route 7	

DESCRIPTION:

25X1

LENGTH 75' approx.

WIDTH

TYPE

Deck

MATERIAL Timber

NO. OF SPANS 5 approx.

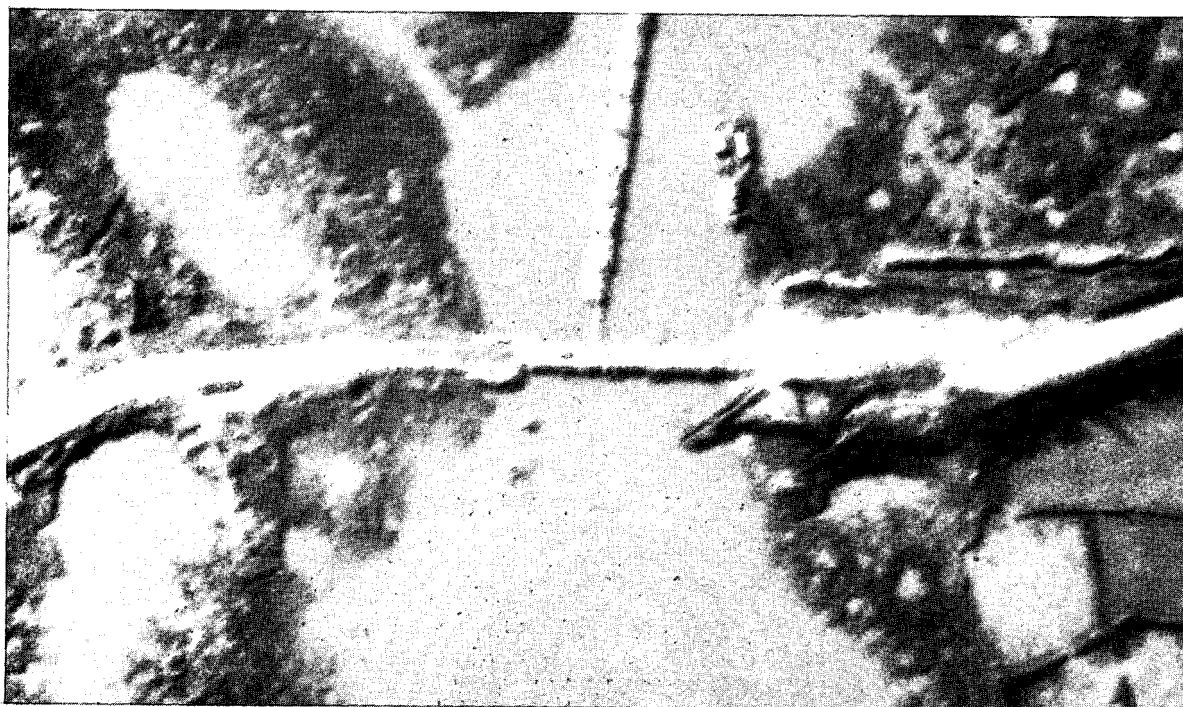
LENGTH OF EACH SPAN 15' approx.

STATUS:

A serviceable timber bridge replacement for the original bridge at this site.

COMPENSATIVE ACTION:

25X1

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Da Phuc RR. Bridge	COUNTRY		COORDINATES	
		Bridge No. 51 on NE 48-7		North Vietnam		18 75N - 105 35E WF 614959
25X1					BRIEF NO:	
	MAP	AMS L509	NE 48-7			PTB 65387 March 1966
LOCATION: 0.7 nm NE of Phu Hau on the Hanoi-Vinh Rail Line						

DESCRIPTION:

LENGTH 135' approx.
 WIDTH Single track
 TYPE Deck

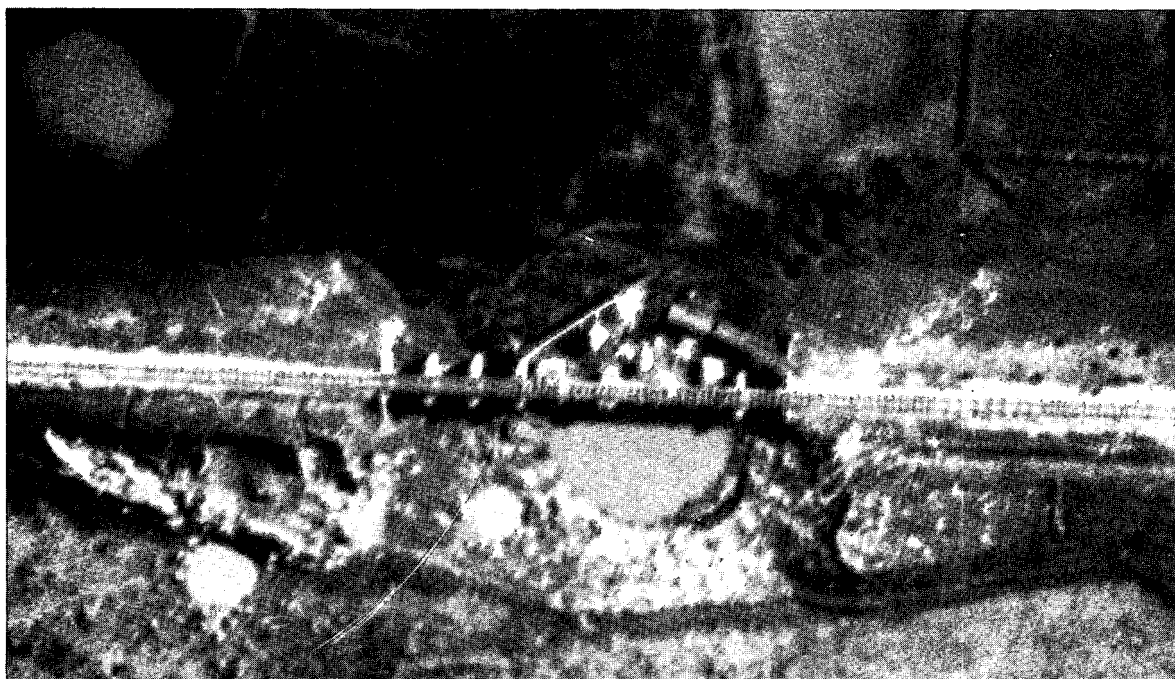
MATERIAL Steel and concrete
 NO. OF SPANS 9
 LENGTH OF EACH SPAN 15' approx.

STATUS:

Repaired; serviceable.

COMPENSATIVE ACTION:

25X1

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Quven Hoanh Hwy. Bridge SW 2	COUNTRY		COORDINATES
					18 03N - 106 19E
25X1		Bridge No. 35 on NE 48-7	North Vietnam		XE 401965
					BRIEF NO:
					PIB 65388
	MAP	AMS L509	NE 48-7		March 1966
	LOCATION:	1.8 nm W of Yen Hung on Route 1A			

DESCRIPTION:

25X1	LENGTH	80' approx.	MATERIAL	Concrete
	WIDTH		NO. OF SPANS	2
	TYPE	Deck	LENGTH OF EACH SPAN	40' approx.

STATUS:

One span damaged.

COMPENSATIVE ACTION:

Ford



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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Hoan Lao Hwy. Bridge W.	COUNTRY		COORDINATES	
		Bridge No. 25 on NE 48-12		North Vietnam		17 35N - 106 31E XE 615455
25X1					BRIEF NO:	
						PIB 65389 March 1966
	MAP	AMS 1509	NE 48-12			
	LOCATION:	0.5 nm SW of Xom Chua on Route 107.				
	DESCRIPTION:					
25X1	LENGTH	170' approx.		MATERIAL	Wood deck with concrete piers	
	WIDTH			NO. OF SPANS	6	
	TYPE	Deck		LENGTH OF EACH SPAN	4 @ 30' approx., 2 @ 25' approx.	
	STATUS:	1 span intact. 1 span serviceable with slight damage to decking. 4 spans completely destroyed. 4 piers intact. South abutment destroyed.				
	COMPENSATIVE ACTION:	Ford				
25X1						

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CIA IMAGERY ANALYSIS DIVISION

25X1

25X1

NAME	Hai Duong RR. & Hwy. Bridge E. over Song Rang Bridge No. 17 on NF 48-15	COUNTRY	North Vietnam	COORDINATES	20 58N - 106 23E XJ 446195
				BRIEF NO:	PIB 65390 March 1966
MAP	AMS L509	NF 48-15			
LOCATION:	4.3 nm NE of Hai Duong on the Hanoi-Haiphong Rail Line				

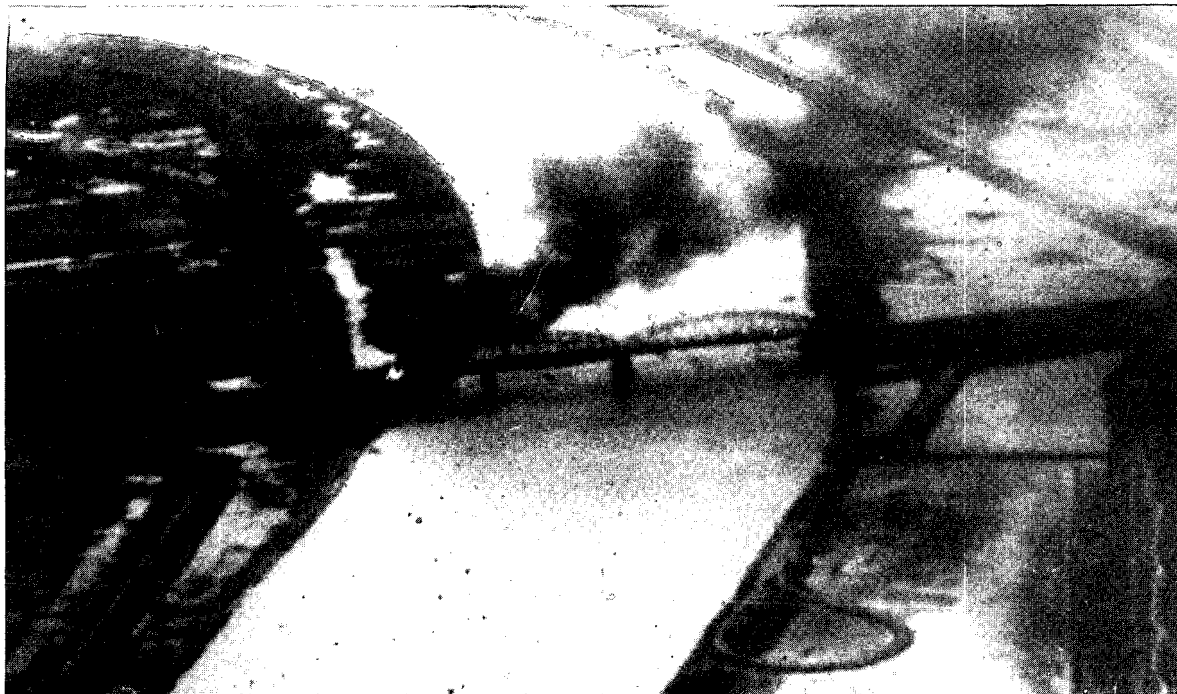
DESCRIPTION:

LENGTH	440' approx.	MATERIAL	Steel and concrete
WIDTH	20' approx.	NO. OF SPANS	2
TYPE	Half-thru truss	LENGTH OF EACH SPAN	1 @ 220'
			1 continuous span @ 220'

STATUS:

Possible light damage to one span.

COMPENSATIVE ACTION:



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CIA IMAGERY ANALYSIS DIVISION

NAME Thuong Giap RR. Bridge Bridge No. 38 on NE 48-7	COUNTRY North Vietnam	COORDINATES 18 29N - 105 35E WF 623449
MAP AMS L509 NE 48-7		BRIEF NO: PIB 65391 March 1966
LOCATION: 0.8 nm W of Thuong Giap over canal on the Vinh-Dong Hoi Rail Line		

DESCRIPTION:

LENGTH
WIDTH
TYPE

10' approx.
Deck

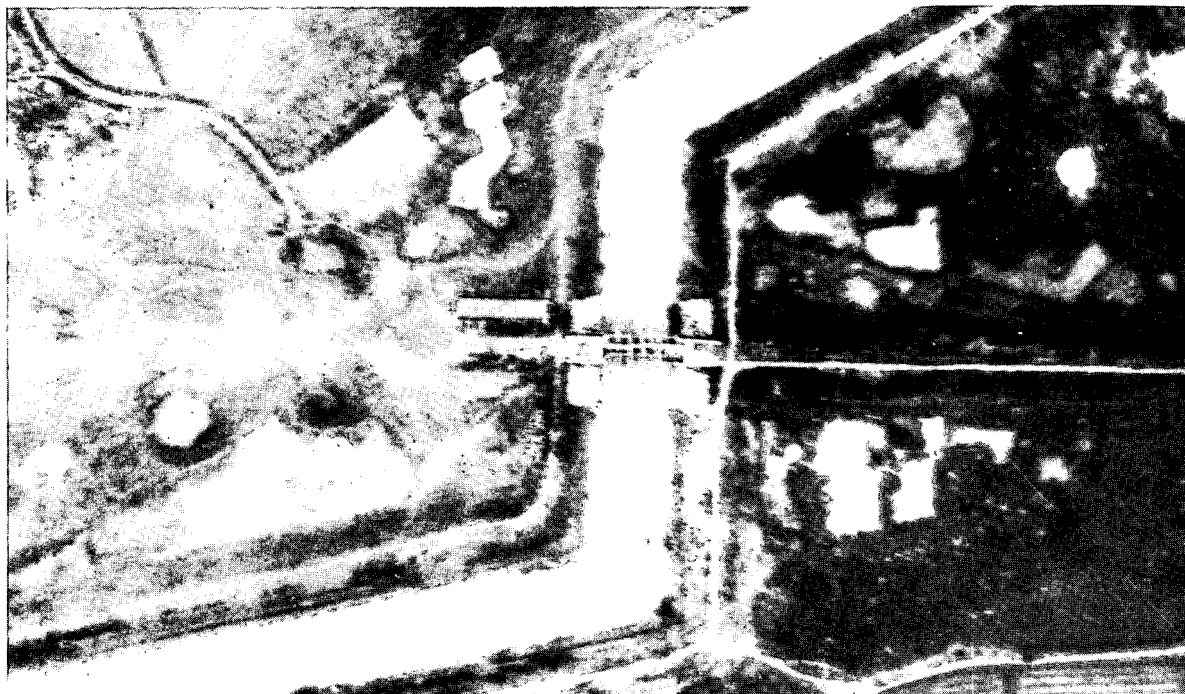
MATERIAL
NO. OF SPANS
LENGTH OF EACH SPAN

Concrete and steel
1

STATUS: Repaired and serviceable; approach interdicted.

COMPENSATIVE ACTION:

None



CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Truong Quang Tien RR. Bridge over Song Yen <input type="text"/> Bridge No. 37 on NE 48-3	COUNTRY	North Vietnam	COORDINATES	19 37N - 105 42E WG 736696
	25X1	<input type="text"/>			BRIEF NO:	PIB - 65392 March 1966
MAP		AMS L509	NE 48-3			
LOCATION:		1.2 nm E of Truong Quang on the Hanoi-Vinh Rail Line				

DESCRIPTION:

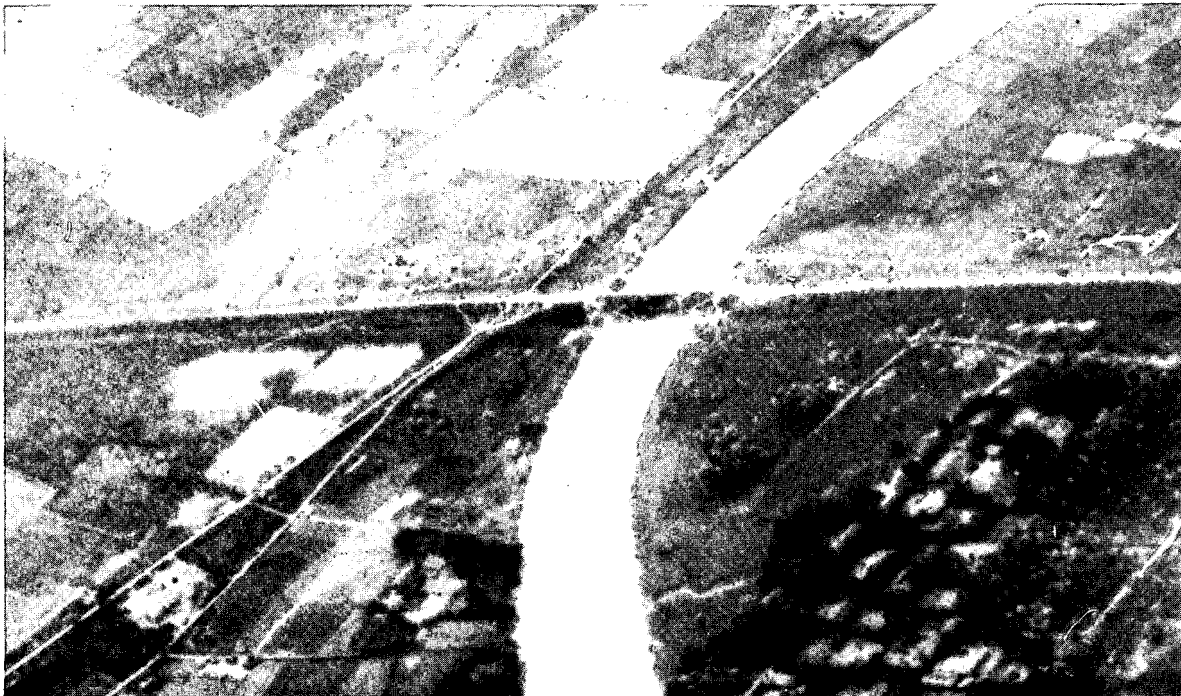
LENGTH	195' approx.	MATERIAL	Steel
WIDTH	Single track	NO. OF SPANS	3
TYPE	Deck type girder	LENGTH OF EACH SPAN	65' approx.

STATUS:

Repaired and serviceable for rail traffic.

COMPENSATIVE ACTION:

25X1



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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Trach Hau Hwy. Bridge Bridge No. 45 on NE 48-7	North Vietnam	18 02N - 106 24E XE 482948
25X1 [REDACTED]		BRIEF NO: PIB 65393 April 1966
MAP	AMS L509 NE 48-7	

LOCATION: 0.5 nm S of Trach Hau on Route 1A.

DESCRIPTION:

LENGTH 80' approx.

WIDTH [REDACTED]

TYPE

Deck

MATERIAL Concrete

NO. OF SPANS 8

LENGTH OF EACH SPAN 10' approx.

STATUS:

Completely destroyed.

COMPENSATIVE ACTION:

Existing ford and construction of a by-pass road and bridge with 5 probable spans.

25X1

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CIA IMAGERY ANALYSIS DIVISION

NAME	COUNTRY	COORDINATES
Yen Hung #1 Hwy. Bridge Bridge No. 22 on NE 48-7	North Vietnam	18 03N - 106 20E XE 405957
25X1		BRIEF NO:
MAP AMS L509 NE 48-7		PIB 65394 April 1966

LOCATION: 1.5 nm SW of Yen Hung on Route 1.

DESCRIPTION:

LENGTH 50' approx.
WIDTH 15' approx.
TYPE Deck

MATERIAL Concrete
NO. OF SPANS 2
LENGTH OF EACH SPAN 25' approx.

STATUS:

Minor deck damage; spans out of alignment over center pier; serviceable.

COMPENSATIVE ACTION:

None

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CIA IMAGERY ANALYSIS DIVISION

25X1

25X1

NAME	Ban Na Thene Hwy. Bridge over	COUNTRY	COORDINATES
Nam Keng			20 27N - 104 11E
Bridge No. 2L on NF 48-14		Laos	VH 153615
			BRIEF NO:
			PIB 65395
			March 1966

MAP AMS JOG (A) 1501 NF 48-14
LOCATION: 1.1 nm WNW of Ban Na Thene on Route 65

DESCRIPTION:

LENGTH 65' approx.
WIDTH unknown
TYPE unknown

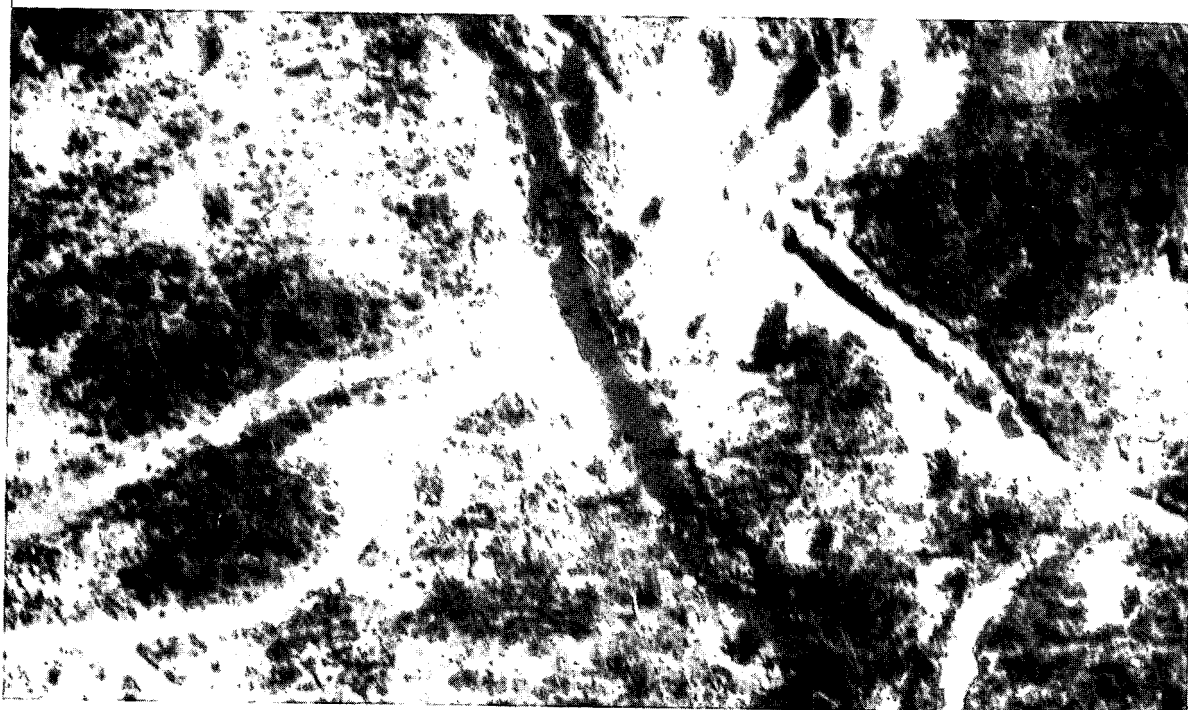
MATERIAL unknown
NO. OF SPANS probably 2
LENGTH OF EACH SPAN 65' approx.

STATUS:

Completely destroyed.

COMPENSATIVE ACTION:

Ford



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CIA IMAGERY ANALYSIS DIVISION

NAME Lang Ke Na Bong Hwy. Bridge
over Nam Xia
Bridge No. 4 on NF 48-15

COUNTRY

North Vietnam

COORDINATES

20 34N - 105 01E

WH 020752

MAP AMS L509 NF 48-15

BRIEF NO:

PIB 65396

April 1966

LOCATION: 1.6 nm NE of Lang Ke Na Bong on an unnumbered route.

DESCRIPTION:

LENGTH

WIDTH

10' approx.

TYPE

Deck

MATERIAL Wood and concrete

NO. OF SPANS 6

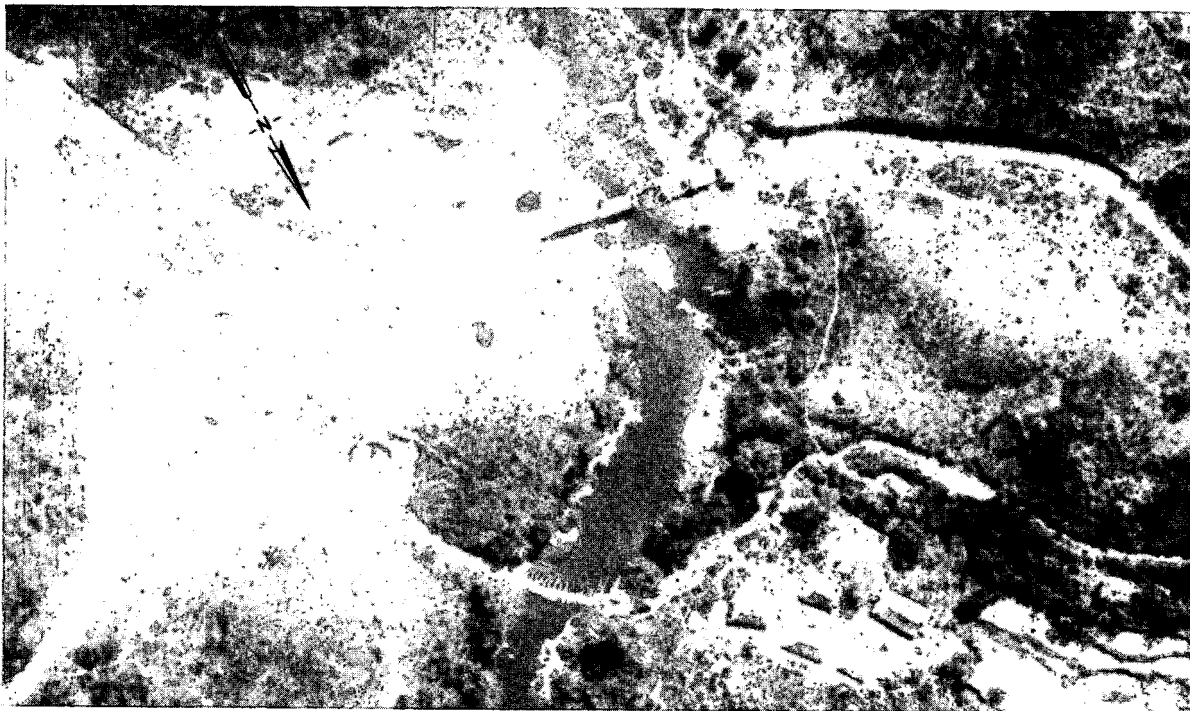
LENGTH OF EACH SPAN

STATUS:

3 spans and 2 piers totally destroyed; 3 spans moderately damaged; abutments moderately to heavily damaged; approaches interdicted.

COMPENSATIVE ACTION:

Foot bridge 230' NE of bridge.

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CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Dong Bai RR. Bridge over

COUNTRY

COORDINATES

Song Tiem

18 09N - 105 43E

Bridge No. 11 on NE 48-7

North Vietnam

WF 762079

25X1

BRIEF NO:

PIB 65397

April 1966

MAP AMS L509 NE 48-7

LOCATION: 0.4 nm NNE of Dong Bai on Vinh-Dong Hoi Rail Line.

DESCRIPTION:

LENGTH 230' approx.

MATERIAL Wood

WIDTH Single track

NO. OF SPANS 5 probable

TYPE Deck

LENGTH OF EACH SPAN 4 @ 50' approx.

1 @ 30' approx.

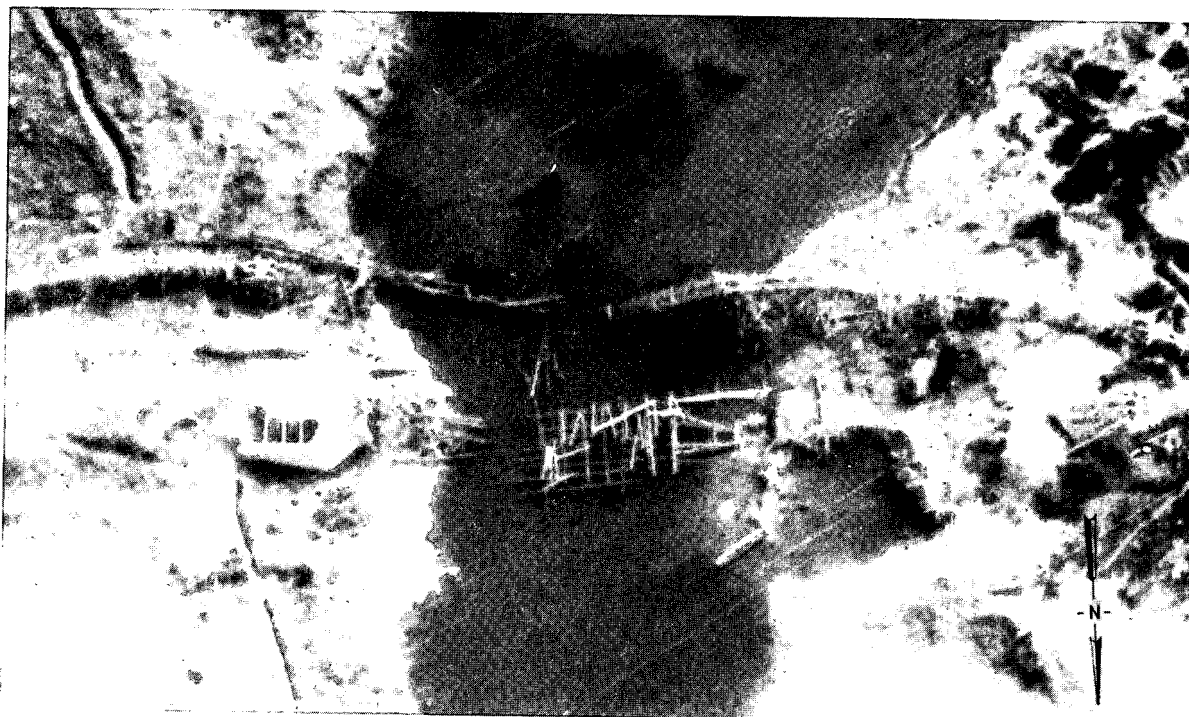
STATUS:

1 span warped; 3 spans dropped. 1 span destroyed; abutments destroyed;
1 approach interdicted.

COMPENSATIVE ACTION:

None

25X1

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CIA IMAGERY ANALYSIS DIVISION

25X1

NAME Bai Duc Thon RR. Bridge over Khe Ba Giang [REDACTED] Bridge No. 7 on NE 48-7	COUNTRY North Vietnam	COORDINATES 18 03N - 105 50E WE 886964
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25X1

MAP AMS L509 NE 48-7	BRIEF NO: PIB 65398 April 1966
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LOCATION: 0.5 nm NW of Bai Duc Thon on the Duc Tho-Tan Ap railway.

DESCRIPTION:

25X1

LENGTH [REDACTED]	MATERIAL Wood
WIDTH Single track	NO. OF SPANS 12
TYPE Deck-Beam with lattice towers	LENGTH OF EACH SPAN [REDACTED]

25X1

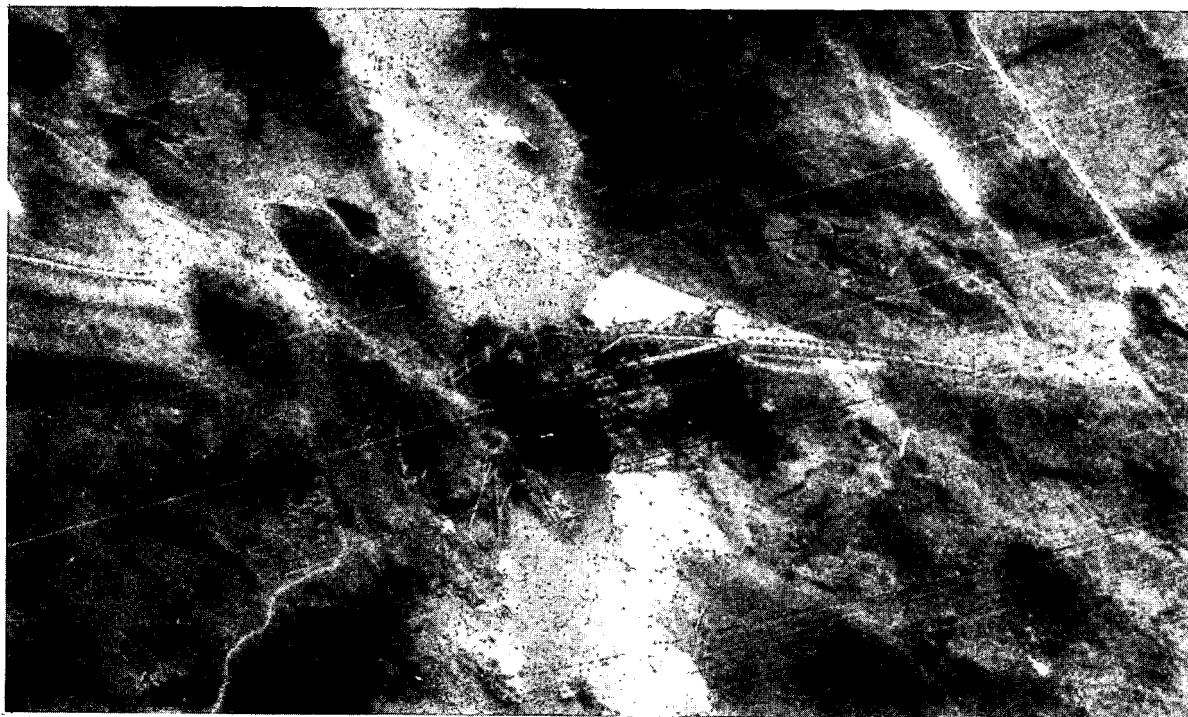
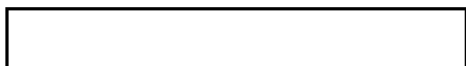
STATUS:

5 spans dropped. 2 spans heavily damaged. One approach cratered.

COMPENSATIVE ACTION:

Wooden deck-beam bridge under construction 100' west of the bombed bridge.

25X1

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CIA IMAGERY ANALYSIS DIVISION

25X1	NAME	Lang Bun RR. Bridge over Ngoi Bon <input type="text"/> Bridge No. 1 on NF 48-6	COUNTRY	North Vietnam	COORDINATES	22 09N - 104 23E VK 368493
	25X1				BRIEF NO:	PIB 65399 May 1966
	MAP	AMS L509 NF 48-6				
LOCATION: 0.1 nm NW of Lang Bun on the Hanoi-Lao Cai Rail Line.						

DESCRIPTION:

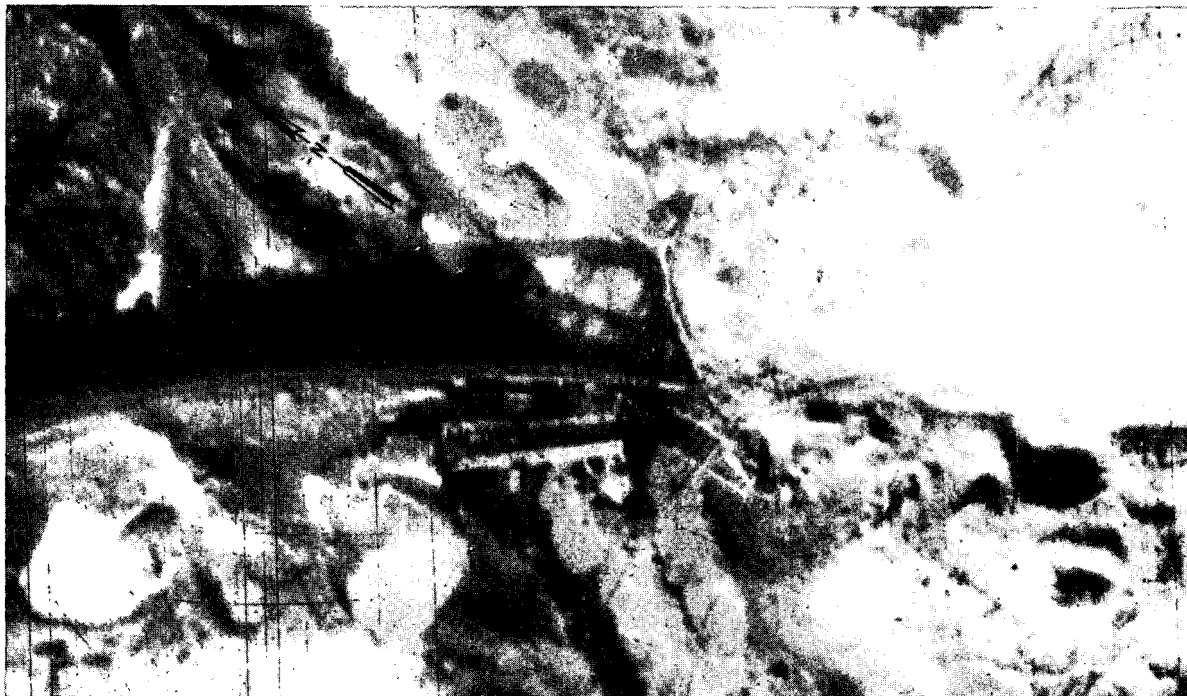
25X1	LENGTH	<input type="text"/>	MATERIAL	Wood probable	25X1
	WIDTH	<input type="text"/>	NO. OF SPANS	4	
	TYPE	Deck-type beam with lattice towers	LENGTH OF EACH SPAN	<input type="text"/>	

STATUS:

Two spans destroyed.

COMPENSATIVE ACTION:

25X1

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